



CERTIFICATE OF ACCREDITATION

This is to attest that

EUROFINS ANALYTICAL SERVICES INDIA PRIVATE LIMITED, BANGALORE

540/1, DODDANEKUNDI INDUSTRIAL AREA 2, GRAPHITE INDIA ROAD, HOODI, WHITEFIELD
BENGALURU, 560048, REPUBLIC OF INDIA

Testing Laboratory TL-1097 Part 10 of 11

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date January 12, 2024



President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

EUROFINS ANALYTICAL SERVICES INDIA PRIVATE LIMITED, BANGALORE

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Contact Phone +91-9538091100

Accredited to ISO/IEC 17025:2017

Effective Date January 12, 2024

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical	Honey & Honey Product	Aluminum	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Antimony	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Arsenic	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		Cadmium	EASI-CHE-SOP-78- Determination of Lead, Cadmium in Honey by Inductively Coupled Plasma-Mass Spectrometer (ICP-MS)

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Honey & Honey Product (cont'd.)	Cadmium (cont'd.)	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		Calcium	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Chromium	AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Copper	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and

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Chemical (cont'd.)	Honey & Honey Product (cont'd.)		Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Iron	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Lead	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma- Mass Spectrometry
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
	Magnesium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs	
			AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Honey & Honey Product (cont'd.)		AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Manganese	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Mercury	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
	Methyl Mercury	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs	
		EASI-CHE-SOP-244 DETERMINATION OF METHYLMERCURY IN FOOD SAMPLES BY LIQUID CHROMATOGRAPHY WITH INDUCTIVELY COUPLED PLASMA- MASS	

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Chemical (cont'd.)	Honey & Honey Product (cont'd.)		SPECTROMETER (LC-ICPMS).
		Methylmercury as Hg	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		Molybdenum	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
		Nickel	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Phosphorus	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
Potassium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs		
	AOAC 985.35 Min erals in In fant For mula,		

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Chemical (cont'd.)	Honey & Honey Product (cont'd.)		Enteral Products, and Pet Foods
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Selenium	AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
			EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Sodium	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Tin	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Zinc	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)			EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
	Infant formula and complementary food and whole milk powder	Aluminum	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Antimony	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Arsenic	IS 11124 Method For Determination Of Arsenic by AAS
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		Cadmium	IS 1699 METHODS OF SAMPLING AND TEST FOR FOOD COLOURS
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
Calcium	AOAC 985.35 Min erals in In fant For mula, Enter al Prod ucts, and Pet Foods		
Calcium (cont'd.)	AOAC 2011.14 Minerals and Trace Elements in Milk		

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Chemical (cont'd.)	Infant formula and complementary food and whole milk powder (cont'd.)		and Milk Products, Infant Formula, and Adult Nutritionals
			ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method
			IS 5949 METHODS FOR VOLUMETRIC DETERMINATION OF CALCIUM AND MAGNESIUM USING EDTA
		Chromium	AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Copper	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			IS 1699 METHODS OF SAMPLING AND TEST FOR FOOD COLOURS
		Iron	IS 14433 Infant Milk Substitute
		Lead	IS 12074 Method for determination of lead by AAS
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma– Mass Spectrometry
Chemical		Magnesium	AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE		
Chemical	Infant formula and complementary food (cont'd.)		AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals		
			ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method		
			IS 5949 METHODS FOR VOLUMETRIC DETERMINATION OF CALCIUM AND MAGNESIUM USING EDTA		
				Manganese	ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method IS 3025 (P-35)
				Mercury	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
				Methyl Mercury	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
				Methyl Mercury (cont'd.)	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs

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(cont'd.)	Infant formula and complementary food (cont'd.)		Phosphorus Content — Molecular Absorption Spectrometric Method
			AOAC 995.11 Phosphorus (Total) in Foods
			ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method
		Potassium	IS 12760 MILK AND MILK PRODUCTS — DETERMINATION OF CALCIUM, SODIUM, POTASSIUM AND MAGNESIUM CONTENTS — ATOMIC ABSORPTION SPECTROMETRIC METHOD
			AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method
	Selenium	AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products	
	Sodium	IS 12760 MILK AND MILK PRODUCTS — DETERMINATION OF CALCIUM, SODIUM, POTASSIUM AND	
Chemical (cont'd.)			

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Chemical (cont'd.)	Infant formula and complementary food (cont'd.)		<p>MAGNESIUM CONTENTS — ATOMIC ABSORPTION SPECTROMETRIC METHOD</p> <p>AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods</p> <p>AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals</p> <p>ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method</p>
		Tin	<p>EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs</p>
			<p>IS 2860 METHODS OF SAMPLING AND TEST FOR PROCESSED FRUITS AND VEGETABLES</p>
		Zinc	<p>AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals</p> <p>EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs</p>

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Chemical (cont'd.)	Meat, Egg, Poultry and its products	Aluminum	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Antimony	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Arsenic	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma– Mass Spectrometry
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Cadmium	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma– Mass Spectrometry
	Cadmium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs	
	Meat, Egg, Poultry and its products (cont'd.)	Calcium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Meat, Egg, Poultry and its products (cont'd.)		(ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Chromium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
		Copper	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Iron	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Meat, Egg, Poultry and its products (cont'd.)		and Milk Products, Infant Formula, and Adult Nutritionals
		Lead	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma-Mass Spectrometry
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Magnesium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods
		Manganese	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)		Mercury	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs	
		Methyl Mercury as Hg	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
	Meat, Egg, Poultry and its products (cont'd.)	Methyl Mercury	EASI-CHE-SOP-244 DETERMINATION OF METHYLMERCURY IN FOOD SAMPLES BY LIQUID CHROMATOGRAPHY WITH INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETER (LC-ICPMS).
		EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs	
		Methylmercury as Hg	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs			

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Chemical (cont'd.)	Meat, Egg, Poultry and its products (cont'd.)	Molybdenum	AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Nickel	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Phosphorus	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Potassium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Selenium	AOAC 2011.19 Chromium, Selenium, and Molybdenum in

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Chemical (cont'd.)			Infant Formula and Adult Nutritional Products
		Sodium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Tin	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Zinc	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Milk and Dairy products, Infant Food & formula and follow-up formula and complementary food	Aluminum	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Antimony	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Arsenic	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma– Mass Spectrometry
	Milk and Dairy products, Infant Food & formula and follow-up formula and complementary food (cont'd.)	Cadmium	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma– Mass Spectrometry
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
Calcium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer		

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Milk and Dairy products, Infant Food & formula and follow-up formula and complementary food (cont'd.)		(ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals	
		AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods	
		AOAC 2015.06 Minerals and Trace Elements in Milk, Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula	
		ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method	
		Chromium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
Chromium (cont'd.)	AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products		
	ISO 20649 Determination of chromium, selenium and molybdenum — Inductively coupled plasma mass spectrometry (ICP-MS)		
	AOAC 2015.06 Minerals and Trace Elements		

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Chemical (cont'd.)	Milk and Dairy products, Infant Food & formula and follow-up formula and complementary food (cont'd.)		in Milk, Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula	
			ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method	
		Copper	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals	
			AOAC 985.35 Minerals in Infant Formula, Enteric Products, and Pet Foods	
			IS 1699 METHODS OF SAMPLING AND TEST FOR FOOD COLOURS	
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs	
			AOAC 2015.06 Minerals and Trace Elements in Milk, Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula	
			ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method	
			Iron	IS 14433 Infant Milk Substitute

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Chemical (cont'd.)	Milk and Dairy products, Infant Food & formula and follow-up formula and complementary food (cont'd.)		EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.06 Minerals and Trace Elements in Milk, Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula
			ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method
		Lead	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Magnesium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
Magnesium (cont'd.)	AOAC 2015.06 Minerals and Trace Elements in Milk, Milk Products, Infant Formula,		

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			and Adult/Pediatric Nutritional Formula
			AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method
		Manganese	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			AOAC 2015.06 Minerals and Trace Elements in Milk, Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula
			ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method

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Effective Date January 12, 2024

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Chemical	Milk and Dairy products, Infant Food & formula, Milk Cereal based on complementary foods and follow-up formula and complementary food	Mercury	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Methyl Mercury as Hg	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		Methyl Mercury	EASI-CHE-SOP-244 DETERMINATION OF METHYLMERCURY IN FOOD SAMPLES BY LIQUID CHROMATOGRAPHY WITH INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETER (LC-ICPMS). EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Milk and Dairy products, Infant Food & formula and follow-up formula and complementary food (cont'd.)	Methylmercury as Hg	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		Molybdenum	AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
			AOAC 2015.06 Minerals and Trace Elements in Milk, Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula
			ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method
		Nickel	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
Phosphorus	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs		
	AOAC 2015.06 Minerals and Trace Elements in Milk, Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula IS 12756 Cheese and Processed Cheese Products — Determination of		

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Chemical (cont'd.)	Milk and Dairy products, Infant Food & formula and follow-up formula and complementary food (cont'd.)	Phosphorus (cont'd.)	Total Phosphorus Content — Molecular Absorption Spectrometric Method
		AOAC 2015.06 Minerals and Trace Elements in Milk, Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula	
		ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method	
		Potassium	AOAC 2015.06 Minerals and Trace Elements in Milk, Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula
			EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			IS 12760 MILK AND MILK PRODUCTS — DETERMINATION OF CALCIUM, SODIUM, POTASSIUM AND MAGNESIUM CONTENTS — ATOMIC ABSORPTION SPECTROMETRIC METHOD
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Milk and Dairy products, Infant Food & formula and follow-up formula and complementary food (cont'd.)		ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method
		Selenium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.06 Minerals and Trace Elements in Milk, Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula
			ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method
			AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
		Sodium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
	AOAC 2015.06 Minerals and Trace Elements in Milk, Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula		

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Milk and Dairy products, Infant Food & formula and follow-up formula and complementary food (cont'd.)	Sodium (cont'd.)	IS 12760 MILK AND MILK PRODUCTS — DETERMINATION OF CALCIUM, SODIUM, POTASSIUM AND MAGNESIUM CONTENTS — ATOMIC ABSORPTION SPECTROMETRIC METHOD
			AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method
Chemical		Tin	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			ISO 14377 Determination of tin content — Method using graphite furnace atomic absorption spectrometry-Tin
Chemical		Zinc	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
(cont'd.)	Milk and Dairy products, Infant Food & formula and follow-up formula and complementary food (cont'd.)	Zinc (cont'd.)	<p>IS 1699 METHODS OF SAMPLING AND TEST FOR FOOD COLOURS</p> <p>EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs</p> <p>AOAC 2015.06 Minerals and Trace Elements in Milk, Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula</p> <p>ISO 21424 Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method</p>
Chemical (cont'd.)	Nutraceutical, Health Supplement & Nutritional Supplement Food Products and by products including Fortified Food (Rice, Cereal, Juice, Oil, Bakery ware, Milk, Atta, Maida, Salt)	Aluminum	<p>EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs</p> <p>AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals</p>
		Antimony	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Nutraceutical, Health Supplement & Nutritional Supplement Food Products and by products including Fortified Food (Rice, Cereal, Juice, Oil, Bakery ware, Milk, Atta, Maida, Salt) (cont'd.)	Arsenic	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Cadmium	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Calcium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Chromium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical	Nutraceutical, Health Supplement & Nutritional Supplement Food Products and by products including Fortified Food (Rice, Cereal, Juice, Oil, Bakery ware, Milk, Atta, Maida, Salt) (cont'd.)		Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
		Copper	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Iron	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Lead	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		Magnesium	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer		

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
(cont'd.)	Nutraceutical, Health Supplement & Nutritional Supplement Food Products and by products including Fortified Food (Rice, Cereal, Juice, Oil, Bakery ware, Milk, Atta, Maida, Salt) (cont'd.)		(ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Manganese	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Mercury	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma- Mass Spectrometry
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Methyl Mercury	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Methylmercury as Hg	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and
Chemical (cont'd.)			

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Chemical (cont'd.)	Nutraceutical, Health Supplement & Nutritional Supplement Food Products and by products including Fortified Food (Rice, Cereal, Juice, Oil, Bakery ware, Milk, Atta, Maida, Salt) (cont'd.)		Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma-Mass Spectrometry
		Molybdenum	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
		Nickel	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Phosphorus	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
Potassium	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals		
	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission		

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Nutraceutical, Health Supplement & Nutritional Supplement Food Products and by products including Fortified Food (Rice, Cereal, Juice, Oil, Bakery ware, Milk, Atta, Maida, Salt) (cont'd.)		Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Selenium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
		Sodium	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Tin	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Zinc	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer

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Chemical (cont'd.)			(ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
	Nutritional supplements	Aluminum	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Antimony	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Arsenic	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma- Mass Spectrometry
Cadmium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and		

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Chemical (cont'd.)	Nutritional supplements (cont'd.)		Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		Calcium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Chromium	AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
			AOAC 2015.06 Minerals and Trace Elements in Milk, Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula
		Copper	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Iron	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Nutritional supplements (cont'd.)	Iron (cont'd.)	Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals	
		EASI-CHE-SOP-265- Determination of Iron in fortified rice samples by inductively coupled plasma- mass spectrometer (ICPMS).	
		Lead	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma– Mass Spectrometry
		Magnesium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals	
		Manganese	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals			

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Chemical (cont'd.)	Nutritional supplements (cont'd.)	Mercury	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma- Mass Spectrometry
		Methylmercury as Hg	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma- Mass Spectrometry
		Molybdenum	AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Nickel	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Phosphorus	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Nutritional supplements (cont'd.)	Potassium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Selenium	AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
			EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Sodium	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Tin	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Zinc	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			EASI-CHE-SOP-044- Determination of Metals and

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Nutritional supplements (cont'd.)		Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
	Oil Seeds, Edible Seeds, Nuts & its products including edible oils and fats	Aluminum	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Antimony	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Arsenic	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma- Mass Spectrometry
		Cadmium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled

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Chemical (cont'd.)	Oil Seeds, Edible Seeds, Nuts & its products including edible oils and fats (cont'd.)		Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma– Mass Spectrometry
		Calcium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Chromium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
		Copper	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and

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Chemical (cont'd.)	Oil Seeds, Edible Seeds, Nuts & its products including edible oils and fats (cont'd.)		Atomic Absorption Spectrometer in Food Stuffs
		Iron	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Lead	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		Magnesium	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods

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Chemical (cont'd.)	Oil Seeds, Edible Seeds, Nuts & its products including edible oils and fats (cont'd.)	Manganese	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Mercury	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Methyl Mercury	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			EASI-CHE-SOP-244 DETERMINATION OF METHYLMERCURY IN FOOD SAMPLES BY LIQUID CHROMATOGRAPHY WITH INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETER (LC-ICPMS).
Methylmercury as Hg	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and		

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Chemical (cont'd.)	Oil Seeds, Edible Seeds, Nuts & its products including edible oils and fats (cont'd.)		Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food
		Molybdenum	Inductively Coupled Plasma–Mass Spectrometry
			AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
		Nickel	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Phosphorus	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
Potassium	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals		
	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission		

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Oil Seeds, Edible Seeds, Nuts & its products including edible oils and fats (cont'd.)		Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 985.35 Minerals in Infant Formula, Parenteral Products, and Pet Foods
		Selenium	EASI-CHE-SOP-044-Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Sodium	EASI-CHE-SOP-044-Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Tin	EASI-CHE-SOP-044-Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Zinc	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Oil Seeds, Edible Seeds, Nuts & its products including edible oils and fats (cont'd.)		EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
	Processed food, Ready to eat food, Proprietary food and Canned food	Aluminum	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Antimony	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Arsenic	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma– Mass Spectrometry
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
Cadmium	AOAC 2015.01 Heavy Metals in Food		

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Processed food, Ready to eat food, Proprietary food and Canned food (cont'd.)		Inductively Coupled Plasma– Mass Spectrometry EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Calcium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Chromium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Copper	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Processed food, Ready to eat food, Proprietary food and Canned food (cont'd.)		AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Iron	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Lead	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma– Mass Spectrometry
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Magnesium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
	Processed food, Ready to eat food, Proprietary food and Canned food (cont'd.)		Formula, and Adult Nutritionals
		Manganese	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals

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Chemical	Processed food, Ready to eat food, Proprietary food and Canned food	Mercury	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Methyl Mercury	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs EASI-CHE-SOP-244 DETERMINATION OF METHYLMERCURY IN FOOD SAMPLES BY LIQUID CHROMATOGRAPHY WITH INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETER (LC-ICPMS).
		Methylmercury as Hg	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE	
Chemical (cont'd.)	Processed food, Ready to eat food, Proprietary food and Canned food (cont'd.)	Molybdenum	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs	
			AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products	
		Nickel	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs	
			Phosphorus	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
				Potassium
Potassium	AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods			
	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant			

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Processed food, Ready to eat food, Proprietary food and Canned food (cont'd.)		Formula, and Adult Nutritionals
		Selenium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
		Sodium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
Tin	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs		
Zinc	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs		

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Processed food, Ready to eat food, Proprietary food and Canned food (cont'd.) Sweetening agents (Sugar boiled confectionery, SUGAR, GUR OR JAGGERY)		AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Aluminum	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Antimony	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Arsenic	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma- Mass Spectrometry
		Cadmium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Sweetening agents (Sugar boiled confectionery, SUGAR, GUR OR JAGGERY) (cont'd.)		Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		Calcium	AOAC 985.35 Minerals in Infant Formula, Enteric Products, and Pet Foods
		Calcium	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Chromium	AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Copper	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
Iron	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals		

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Sweetening agents (Sugar boiled confectionery, SUGAR, GUR OR JAGGERY) (cont'd.)		EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Lead	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Magnesium	AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Manganese	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
Mercury	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled		

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Sweetening agents (Sugar boiled confectionery, SUGAR, GUR OR JAGGERY) (cont'd.)		Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma– Mass Spectrometry
		Methyl Mercury	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			EASI-CHE-SOP-244 DETERMINATION OF METHYLMERCURY IN FOOD SAMPLES BY LIQUID CHROMATOGRAPHY WITH INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETER (LC- ICPMS).
		Methylmercury as Hg	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma– Mass Spectrometry
		Molybdenum	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
Nickel	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled		

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Sweetening agents (Sugar boiled confectionery, SUGAR, GUR OR JAGGERY) (cont'd.)		Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Phosphorus	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 995.11 Phosphorus (Total) in Foods
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Potassium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Selenium	AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled			

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Sweetening agents (Sugar boiled confectionery, SUGAR, GUR OR JAGGERY) (cont'd.)		Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Sodium	AOAC 985.35 Minerals in Infant Formula, Enterals Products, and Pet Foods
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Tin	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
	Zinc	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs	
	Sweets & Confectionery products including honey, sugar, chocolates and its products	Aluminum	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Sweets & Confectionery products including honey, sugar, chocolates and its products (cont'd.)		AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Antimony	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Arsenic	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		Cadmium	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			EASI-CHE-SOP-78- Determination of Lead, Cadmium in Honey by Inductively Coupled Plasma-Mass Spectrometer (ICP-MS)
		Calcium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Sweets & Confectionery products including honey, sugar, chocolates and its products (cont'd.)	Calcium (cont'd.)	Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals	
		AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods	
		Chromium	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products	
		EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs	
		Copper	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs	

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Sweets & Confectionery products including honey, sugar, chocolates and its products (cont'd.)	Iron	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Lead	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Magnesium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods
Manganese	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled		

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Sweets & Confectionery products including honey, sugar, chocolates and its products (cont'd.)	Manganese (cont'd.)	Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Mercury	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		Methyl Mercury as Hg	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		Methyl Mercury	EASI-CHE-SOP-244 DETERMINATION OF METHYLMERCURY IN FOOD SAMPLES BY LIQUID CHROMATOGRAPHY WITH INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETER (LC-ICPMS).
EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs			
Methylmercury as Hg	EASI-CHE-SOP-044- Determination of Metals and		

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Sweets & Confectionery products including honey, sugar, chocolates and its products (cont'd.)		Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma– Mass Spectrometry
		Molybdenum	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
		Nickel	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Phosphorus	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Sweets & Confectionery products including honey, sugar, chocolates and its products (cont'd.)		AOAC 995.11 Phosphorus (Total) in Foods
		Potassium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods
		Selenium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
		Sodium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals		

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Sweets & Confectionery products including honey, sugar, chocolates and its products (cont'd.)		AOAC 985.35 Minerals in Infant Formula, Enterals Products, and Pet Foods
		Tin	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Zinc	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
			EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
	Tea, Coffee and Cocoa products, Food Additives & Preservatives, Edible Color and Flavour	Aluminum	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Antimony	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Tea, Coffee and Cocoa products, Food Additives & Preservatives, Edible Color and Flavour (cont'd.)		Atomic Absorption Spectrometer in Food Stuffs
		Arsenic	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma– Mass Spectrometry
		Cadmium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma– Mass Spectrometry
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Calcium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Tea, Coffee and Cocoa products, Food Additives & Preservatives, Edible Color and Flavour (cont'd.)		Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Chromium	AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Copper	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Iron	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs	
		Lead	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Tea, Coffee and Cocoa products, Food Additives & Preservatives, Edible Color and Flavour (cont'd.)		EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Magnesium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Manganese	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Mercury	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Tea, Coffee and Cocoa products, Food Additives & Preservatives, Edible Color and Flavour (cont'd.)		Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		Methyl Mercury	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			EASI-CHE-SOP-244 DETERMINATION OF METHYLMERCURY IN FOOD SAMPLES BY LIQUID CHROMATOGRAPHY WITH INDUCTIVELY COUPLED PLASMA- MASS SPECTROMETER (LC-ICPMS).
		Methyl Mercury as Hg	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		Methylmercury as Hg	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
	Molybdenum	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and	

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Tea, Coffee and Cocoa products, Food Additives & Preservatives, Edible Color and Flavour (cont'd.)		Atomic Absorption Spectrometer in Food Stuffs
			AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
		Nickel	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Phosphorus	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 995.11 Phosphorus (Total) in Foods
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Potassium	EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant

SCOPE OF ACCREDITATION

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Tea, Coffee and Cocoa products, Food Additives & Preservatives, Edible Color and Flavour (cont'd.)		Formula, and Adult Nutritionals
		Selenium	AOAC 2011.19 Chromium, Selenium, and Molybdenum in Infant Formula and Adult Nutritional Products
			EASI-CHE-SOP-44 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES), and Atomic Absorption Spectrometer in Food Stuffs
		Sodium	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
			AOAC 985.35 Minerals in Infant Formula, Enteral Products, and Pet Foods
			AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals
		Tin	EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs
		Zinc	AOAC 2011.14 Minerals and Trace Elements in Milk and Milk Products, Infant Formula, and Adult Nutritionals

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical (cont'd.)	Tea, Coffee and Cocoa products, Food Additives & Preservatives, Edible Color and Flavour (cont'd.)		EASI-CHE-SOP-044- Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma- Optical Emission Spectrometer (ICP-OES) and Atomic Absorption Spectrometer in Food Stuffs

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Accredited to ISO/IEC 17025:2017

Effective Date January 12, 2024

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical	Overall migration of constituents of plastics materials and articles intended to come in contact with foodstuffs	Overall migration with 3% Acetic acid	IS 9845 Determination of Overall Migration of Constituents of Plastics Materials and Articles Intended to Come in Contact with Foodstuffs - Method of Analysis
		Overall migration with Alcohol	IS 9845 Determination of Overall Migration of Constituents of Plastics Materials and Articles Intended to Come in Contact with Foodstuffs - Method of Analysis
		Overall migration with Distilled.water	IS 9845 Determination of Overall Migration of Constituents of Plastics Materials and Articles Intended to Come in Contact with Foodstuffs - Method of Analysis
		Overall migration with n-Heptane	IS 9845 Determination of Overall Migration of Constituents of Plastics Materials and Articles Intended to Come in Contact with Foodstuffs - Method of Analysis
	Plastics materials and articles intended to come in contact with foodstuffs	Antimony	EASI-CHE-SOP-266 Determination of Metals In Plastic Materials And Articles Intended To Come In Contact With Foodstuffs By Inductively Coupled Plasma-Mass
		Arsenic	EASI-CHE-SOP-266 Determination of Metals In Plastic Materials And Articles Intended To Come In Contact With Foodstuffs By Inductively Coupled Plasma-Mass

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Chemical (cont'd.)	Plastics materials and articles intended to come in contact with foodstuffs (cont'd.)	Barium	EASI-CHE-SOP-266 Determination of Metals In Plastic Materials And Articles Intended To Come In Contact With Foodstuffs By Inductively Coupled Plasma-Mass
		Cadmium	EASI-CHE-SOP-266 Determination of Metals In Plastic Materials And Articles Intended To Come In Contact With Foodstuffs By Inductively Coupled Plasma-Mass
		Chromium	EASI-CHE-SOP-266 Determination of Metals In Plastic Materials And Articles Intended To Come In Contact With Foodstuffs By Inductively Coupled Plasma-Mass
		Cobolt	EASI-CHE-SOP-266 Determination of Metals In Plastic Materials And Articles Intended To Come In Contact With Foodstuffs By Inductively Coupled Plasma-Mass
		Copper	EASI-CHE-SOP-266 Determination of Metals In Plastic Materials And Articles Intended To Come In Contact With Foodstuffs By Inductively Coupled Plasma-Mass
		Iron	EASI-CHE-SOP-266 Determination of Metals In Plastic Materials And Articles Intended To Come In Contact With Foodstuffs By Inductively Coupled Plasma-Mass
		Lead	EASI-CHE-SOP-266 Determination of Metals In Plastic Materials And Articles Intended To Come In Contact With Foodstuffs By Inductively Coupled Plasma-Mass
		Lithium	EASI-CHE-SOP-266 Determination of Metals In Plastic Materials And Articles Intended To Come In Contact With Foodstuffs By Inductively Coupled Plasma-Mass

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Chemical (cont'd.)	Plastics materials and articles intended to come in contact with foodstuffs (cont'd.)	Manganese	EASI-CHE-SOP-266 Determination of Metals In Plastic Materials And Articles Intended To Come In Contact With Foodstuffs By Inductively Coupled Plasma-Mass
		Mercury	EASI-CHE-SOP-266 Determination of Metals In Plastic Materials And Articles Intended To Come In Contact With Foodstuffs By Inductively Coupled Plasma-Mass
		Selenium	EASI-CHE-SOP-266 Determination of Metals In Plastic Materials And Articles Intended To Come In Contact With Foodstuffs By Inductively Coupled Plasma-Mass
		Zinc	EASI-CHE-SOP-266 Determination of Metals In Plastic Materials And Articles Intended To Come In Contact With Foodstuffs By Inductively Coupled Plasma-Mass
Chemical/Environment	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water	1,1,1,2-Tetrachloroethane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,1,1-Trichloroethane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,1,2,2-Tetrachloroethane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,1,2-Trichloroethane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	1,1-Dichloroethane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,1-Dichloroethene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,1-Dichloropropene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,2,3-Trichlorobenzene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,2,3-Trichloropropane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,2,4-Trichlorobenzene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,2,4-Trimethylbenzene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,2-Dibromo-3-chloropropane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	1,2-Dibromoethane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,2-Dichlorobenzene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,2-Dichloroethane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,2-Dichloropropane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,3,5-Trimethylbenzene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,3-Dichlorobenzene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,3-Dichloropropane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		1,4-Dichlorobenzene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	1,4-Dioxane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		2,2-Dichloropropane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		2-Chlorotoluene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		4-Chlorotoluene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Benzene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		BROMOACETIC ACID	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Bromobenzene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		BROMOCHLOROACETIC ACID	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Bromochloromethane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		BROMODICHLOROACETIC ACID	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Bromodichloromethane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Bromoform	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Carbon tetrachloride	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		CHLOROACETIC ACID	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Chlorobenzene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		CHLORODIBROMOACETIC ACID	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Chlorodibromomethane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Chloroform	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		cis-1,2-Dichloroethene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		cis-1,3-Dichloropropene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		DIBROMOACETIC ACID	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Dibromoacetonitrile	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Dibromomethane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		DICHLOROACETIC ACID	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Dichloroacetonitrile	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Epichlorohydrin	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Ethylbenzene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Hexachloro-1,3-butadiene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Isopropylbenzene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		m+p-Xylene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Methylene chloride	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		n-Butylbenzene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	n-Propylbenzene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Naphthalene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		o-Xylene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		p-Isopropyltoluene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		sec-Butylbenzene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Sodium	IS 3025 (Part 65) Methods of sampling and test physical and chemical properties for water and wastewater Part-65: Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS): Determination of selected elements including uranium isotopes
		Styrene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		tert-Butylbenzene	EASI-CHE-SOP-41 Determination of organic

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)		contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Tetrachloroethene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Total Petroleum Hydrocarbons 1. TPH C5-C6 2. TPH Volatile C6-C8 3. TPH > C5-C8 4. TPH Volatile C8-C10 5. TPH C5-C10 6. TPH (C10-C12) 7. TPH (C12-C16) 8. TPH (C16-C21) 9. TPH (C21-C30) 10. TPH (C30-C35) 11. TPH (C35-C40)	EASI-CHE-SOP-294 Soil / Water: Determination of Total Petroleum Hydrocarbons in soil and water
		Toluene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		trans-1,2-Dichloroethene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		trans-1,3-Dichloropropene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		TRIBROMOACETIC ACID	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	TRICHLOROACETIC ACID	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Trichloroethene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Trihalomeyhanes-Bromodichloromethane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Trihalomeyhanes-Bromoform	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Trihalomeyhanes-Chloroform	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Trihalomeyhanes-Dibromochloromethane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Vinyl chloride	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Acrylamide	EASI-CHE-SOP-115 Determination of Acrylamide in Drinking water and waste water by LC-MS/MS

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Bromodichloro-methane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Dibromochloro-methane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		2,4-D	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		2,4-DDD	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		2,4-DDE	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		2,4-DDT	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		4,4-DDD	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		4,4-DDE	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	4,4-DDT	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Acenaphthene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Acenaphthylene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Alachlor	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Aldrin	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Atrazine	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Butachlor	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Chlorpyrifos	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Dieldrin	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Endosulfan-Alpha	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Endosulfan-Beta	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Endosulfan-Sulfate	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Ethion	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		HCH-Alpha	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		HCH-Beta	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		HCH-Delta	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	HCH-Gamma (Lindane)	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Isoproturon	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Malaoxon	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Malathion	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Monocrotophos	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Paraoxon-Methyl	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Parathion-Methyl	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Phorate	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Phorate-Sulfone	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Phorate-Sulfoxide	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		2,4-DB	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Aldicarb (+Aldicarb Sulfoxide,+Aldicarb Sulfone)	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Atrazine, 2-hydroxy-	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Dichlorprop	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Dimethoate	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Diquat	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Endrin	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Fenoprop	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		MCPA / 4-Chloro-2-methylphenoxy	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Mecoprop	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Methoxychlor	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Metolachlor	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Molinate	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		N-Nitrosodimethylamine (NDMA)	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Parathion-ethyl	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Pendimethalin	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Permethrin	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Propanil	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Pyridate	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Pyriproxyfen	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Simazine	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Terbutylazine	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Trifluralin	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		2,4,5-Trichlorophenol / 2,4,5-T	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		2,4,6-Trichlorophenol	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Cyanazine	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Diethylhexylphthalate (DEHP)/	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Pentachlorophenol	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PCB 101 (2,2',4,4',5'-Pentachlorobiphenyl)	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PCB 118 (2,3,4,4',5,-Pentachlorobiphenyl)	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	PCB 138 (2,2',3,4',4,5'-Hexachlorobiphenyl)	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PCB 153 (2,2',4,4',5,5'-Hexachlorobiphenyl)	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PCB 180 (2,2',3,4',5,5'-Heptachlorobiphenyl)	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PCB 28 (2,4,4'-Trichlorobiphenyl)	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PCB 52 (2,2',5,5'-Tetrachlorobiphenyl)	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Anthracene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Benzo[a]Anthracene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Benzo[a]Pyrene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Benzo[b]Fluoranthene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Benzo[ghi]Perylene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Benzo[k]Fluoranthene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Chrysene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Dibenzo[A,H]Anthracene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Fluoranthene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Fluorene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Indeno[1,2,3-Cd]Pyrene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Phenanthrene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Pyrene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PAHs-Acenaphthene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PAHs-Acenaphthylene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PAHs-Anthracene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PAHs-Benzo[a]anthracene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PAHs-Benzo[a]pyrene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PAHs-Benzo[b]fluoranthene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	PAHs-Benzo[ghi]perylene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PAHs-Benzo[k]fluoranthene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PAHs-Chrysene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PAHs-Dibenzo[a,h]anthracene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PAHs-Fluoranthene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PAHs-Fluorene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PAHs-Indeno[1,2,3-cd]pyrene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PAHs-Naphthalene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	PAHs-Phenanthrene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		PAHs-Pyrene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Manganese Manganese (cont'd.)	EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
			IS 3025 P- 65 Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			IS 3025 (P-59) Methods of Sampling and test (physical and Chemicals) for water and wastewater : Part 59 Manganese
			EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer
		Zinc	EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
			IS 3025 P- 65 Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)		Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
		EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer	
		Copper	IS 3025 P- 65 Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
		Copper (cont'd.)	EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		IS 3025 (P-42) Methods of sampling and test (physical and chemical) for water and wastewater : Part 42 Copper	
		EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer	

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Accredited to ISO/IEC 17025:2017

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Chemical/Environment	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water	Mercury	IS 3025 P- 65 Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			IS 3025 (P-48) Methods of sampling and test (physical and chemical) for water and wastewater : Part 48 Mercury
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer	
		Molybdenum	IS 3025 P- 65 Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Molybdenum (cont'd.)	Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		IS 3025 (P-2) Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater Part 2 Determination of Selected Elements by Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES) (First Revision)	
		EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer	
		Cadmium	AOAC 2015.01 Heavy Metals in Food Inductively Coupled Plasma–Mass Spectrometry
		IS 3025 (P-41) Methods of sampling and test (physical and chemical) for water and wastewater : Part 41 Cadmium	
		IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)	
		EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry	
		EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer	

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Aluminium	IS 3025 P- 65 Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
			EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer
		Ammonical Nitrogen	IS 3025 P-34 Methods of sampling and test (physical and chemical) for water and wastewater : Part 34 Nitrogen
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,
		Arsenic	IS 3025 (P-37) Methods of sampling and test (physical and chemical) for water and wastewater : Part 37 Arsenic
IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)			
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Arsenic (cont'd.)	EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,
		Chromium as (Cr)	IS 13428 Packaged Natural Mineral Water
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
		Lead	IS 3025 (P-47) Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater - Part 47 : Lead
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry			
			EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Selenium	IS 15302 Determination of Aluminium and Barium in Water by Direct Nitrous Oxide-Acetylene Flame Atomic Absorption Spectrometry
			IS 3025 (P-56) Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater - Part 56 : Selenium
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
		Antimony	EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer
			IS 13428 Packaged Natural Mineral Water
			IS 15303 Determination of Antimony, Iron and Selenium in Water by Electrothermal Atomic Absorption Spectrometric Method
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry			

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)		EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer
		Barium	IS 13428 Packaged Natural Mineral Water
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Boron	EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer			
Boron and Borate as B		IS 3025 (P-57) METHODS OF SAMPLING AND TEST	

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Boron and Borate as B (cont'd.)	PHYSICAL AND CHEMICAL FOR WATER AND WASTEWATER PART 57 Boron Second Revision
		Bromate	IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
		Iron	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
			IS 3025 (P-53) Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater - Part 53 : Iron
			IS 15303 Determination of Antimony, Iron and Selenium in Water by Electrothermal Atomic Absorption Spectrometric Method
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
			EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES-

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Nickel	Inductively Coupled Plasma-Optical Emission Spectrometer
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
		Silver	EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
Hexavalent chromium (Cr+6)	Standard Methods for the Examination of Water and Wastewater, 23rd Edition, Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 3500		
Uranium	IS 3025 (P-65) Methods of Sampling and Test Physical		

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Uranium (cont'd.)	and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision) EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer
		Beryllium	IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision) EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer
		Thallium	IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision) EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer
		Chromium as Cr+6	Standard Methods for the Examination of Water and

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Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)		Wastewater, APHA 23rd Edition, IS 3025 P -52 Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater - Part 52 : Chromium
		Anionic Surface active agents (as MBAS)	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 5540 IS 13428 Packaged Natural Mineral Water IS 13428 Annex K Packaged Natural Mineral Water
		Nitrite	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500 IS 3025 P-34 Methods of sampling and test (physical and chemical) for water and wastewater : Part 34 Nitrogen Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,
		Sulfide	IS 3025 P-29 Methods of sampling and test (physical and chemical) for water and wastewater : Part 29 Sulphide Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,
		Taste	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 2160 IS 3025 P-8 Methods of sampling and test (physical and chemical) for water and wastewater : Part 8 Taste rating
		Alkalinity (as CaCO ₃)	IS 3025 P-23 Methods of sampling and test (physical and

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Calcium	chemical) for water and wastewater : Part 23 Alkalinity
			IS 3025 Part 40 Methods of sampling and test (physical and chemical) for water and waste water :Part 40 Calcium
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 3500
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
			EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer
		Chloride	IS 3025 P-32 Methods of sampling and test (physical and chemical) for water and wastewater : Part 32 Chloride
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500
		Colour	IS 3025 P-4 METHODS OF SAMPLING AND TEST PHYSICAL AND CHEMICAL FOR WATER AND WASTE

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE		
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Colour (cont'd.)	WATER PART 4 COLOUR Second Revision		
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 2420		
			IS 3025 P-4 METHODS OF SAMPLING AND TEST PHYSICAL AND CHEMICAL FOR WATER AND WASTE WATER PART 4 COLOUR Second Revision		
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,		
					Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 2120B
		Cyanide	IS 3025 P-27 Methods of sampling and test (physical and chemical) for water and wastewater : Part 27 Cyanide		
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500		
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,		
		Magnesium	IS 3025 P-46 Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater - Part 46 : Magnesium		
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 3500		
			IS 3025 (P-46) Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater - Part 46 : Magnesium		

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Magnesium (cont'd.)	IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma-Optical Emission Spectrometer
		Mineral Oil	IS 3025 P-39 METHODS OF SAMPLING AND TEST PHYSICAL AND CHEMICAL FOR WATER AND WASTEWATER Part 39 Oil and Grease Second Revision
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 5520
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, /EPA
		Nitrate	IS 3025 P-34 Methods of sampling and test (physical and chemical) for water and wastewater : Part 34 Nitrogen
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,
Phenolic compounds	IS 3025 P-43 Methods of sampling and test (physical and chemical) for water and waste water : Part 43 Phenols		

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)		Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 5530
		Sodium	IS 3025 P-45 Methods of sampling and test (physical and chemical) for water and wastewater : Part 45 Sodium and potassium
		IS 3025 (Part 65) Methods of sampling and test physical and chemical properties for water and wastewater Part-65: Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS): Determination of selected elements including uranium isotopes - Sodium	
		Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 3111	
		Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 3111b	
		EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma- Optical Emission Spectrometer	
		Sulphate	IS 3025 P-24 Methods of sampling and test (physical and chemical) for water and wastewater : Part 24 Sulphates
		Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500	
		Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,	

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE	
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)	Total Hardness (as CaCO ₃)	IS 3025 P-21 Methods of sampling and test (physical and chemical) for water and wastewater : Part 21 Total hardness Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 2340	
		Turbidity	IS 3025 P-10 Methods of sampling and test (physical and chemical) for water and wastewater : Part 10 Turbidity Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 2130	
		Turbidity (cont'd.)	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,	
		Alkalinity (As HCO ₃)	IS 3025 part 23 Methods of sampling and test (physical and chemical) for water and wastewater : Part 23 Alkalinity Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 2320 Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,	
		Ammonia	IS 3025 P-34 Methods of sampling and test (physical and chemical) for water and wastewater : Part 34 Nitrogen	
		Anionic Surface Active Agent (MBAS) Foaming Agents	IS 13428 Annex K Packaged Natural Mineral Water	
		Odour	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 2150 IS 3025 P-5 Methods of Sampling and Test (Physical	

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)		and Chemical) for Water and Waste Water Part 5 Odour (Second Revision)
		Organic acids (Acetic acid, oxalic acid, Formic acid)	EASI-CHE-SOP-133 Determination of Organic Acids by HPLC-UV
		Formaldehyde	ISO 17226 Leather — Chemical determination of formaldehyde content — Part 1: Method using high-performance liquid chromatography
		Chloramine As Cl ₂	IS 3025 part 26 Methods of sampling and test physical and chemical for water and wastewater Part 26 Chlorine residualsecond revision of IS 3025Part 26
		Electrical Conductivity	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 2510-B
			IS 3025 (P-14) Methods of Sampling and Test (Physical and Chemical) for Water and Waste Water Part 14 Specific Conductance (Wheatstone Bridge, Conductance Cell)
		Fluoride	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500-F
			IS 3025 (P-60) Methods of sampling and test (physical and chemical) for water and wastewater : Part 60 Fluoride
Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,			
pH	IS 3025 (P-11) METHODS OF SAMPLING AND TEST PHYSICAL AND CHEMICAL FOR WATER AND WASTE WATER Part 11 pH value Second Revision		
	Standard Methods for the Examination of Water and		

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)		Wastewater, APHA 23rd Edition, IS 1070 Reagent grade water Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500-H
		Residual Free Chlorine	IS 3025 P-26 Methods of sampling and test physical and chemical for water and wastewater Part 26 Chlorine residualesecond revision of IS 3025Part 26
		Total Dissolved Solid	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 2540-C
			IS 3025 (P-16) Methods of sampling and test (physical and chemical) for water and wastewater : Part 16 Filterable residue (total dissolved solids)
		Total Hardness	IS 3025 P-23 Methods of sampling and test (physical and chemical) for water and wastewater : Part 23 Alkalinity
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,
			IS 3025 P-21 Methods of sampling and test (physical and chemical) for water and wastewater : Part 21 Total hardness
		Chloramine As Cl ₂	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,
Residual Free Chlorine	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,		
Chemical/Environment		Ammonia (as total ammonia-N)	IS 3025 (P-34) Methods of sampling and test (physical and

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
(cont'd.)	Packaged Drinking Water/ Packaged Natural Mineral Water / Drinking Water, Surface water, ground water, swimming pool water, Water for Processed Food Industry and other water (cont'd.)		(ICP-MS) and ICP OES- Inductively Coupled Plasma- Optical Emission Spectrometer
		Per-Chlorate	EASI-CHE-SOP-226- Determination of Chlorate and Perchlorate in food and agricultural products and water by LC-MS/MS
		Phosphates	EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma- Optical Emission Spectrometer
		Phosphorous	EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma- Optical Emission Spectrometer
		Potassium	EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma- Optical Emission Spectrometer
		Silica	EASI-CHE-SOP-052 Determination of Metals and Minerals by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and ICP OES- Inductively Coupled Plasma- Optical Emission Spectrometer
	Hazardous waste, Municipal Solid Waste, wastes (liquid/slurry/ sludge /solid/ semisolid)	Ammonia	EPA 350.1 Determination of Ammonia Nitrogen by Semi-Automated Colorimetry
			IS 14684 Determination of Nitrogen and Nitrogenous Compounds in Soils
		Antimony	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
	Chemical/Environment		

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
(cont'd.)	Hazardous waste, Municipal Solid Waste, wastes (liquid/slurry/ sludge /solid/ semisolid) (cont'd.)		USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Arsenic	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
			USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Barium	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
			USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Boron	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
		Cadmium	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
			USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Calcium	USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Calcium carbonate	IS 2720 (P-23) Methods of test for soils: Part 23 Determination of calcium carbonate
		% of Absorbance (at UV 254 nm)	EASI-CHE-SOP-251 % of Absorbance (at UV 254 nm)
	Cation Exchange Capacity	IS 2720 (P-24) Methods of Test for Soils - Part XXIV : Determination of Cation Exchange Capacity	
Chemical/Environment			

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(cont'd.)	Hazardous waste, Municipal Solid Waste, wastes (liquid/slurry/ sludge /solid/ semisolid) (cont'd.)		IS 2720 (P-14) Methods of test for soils: Part 14 Determination of density index (relative density) of cohesionless soils
		Chloride	EASI-CHE-SOP-120 Procedure for Testing Soluble chloride in Hazardous waste, Municipal Solid Waste, wastes (liquid/slurry/ sludge /solid/ semisolid)
		Chromium VI	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
		Cobalt	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
			USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Copper	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
			USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Corrosivity	CPCB MANUAL on Hazardous waste
			EPA 9040C pH ELECTROMETRIC MEASUREMENT
		Electrical Conductivity (EC)	IS I4767 Determination of the Specific Electrical Conductivity of Soils - Method of Test
Ignibility (Flash point)	ASTM D 93-79 standard test methods for Flash Point by Pensky-Martens Closed Cup Tester		
Lead	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method		
Chemical/Environment			

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(cont'd.)	Hazardous waste, Municipal Solid Waste, wastes (liquid/slurry/ sludge /solid/ semisolid) (cont'd.)		USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Magnesium	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
			USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Manganese	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
			USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Mercury	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
			USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Moisture content	IS 2720 (P-2) Methods of test for soils: Part 2 Determination of water content
		Nickel	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
	USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry		
Nitrate	IS 14684 Determination of Nitrogen and Nitrogenous Compounds in Soils		
Chemical/Environment			

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(cont'd.)	Hazardous waste, Municipal Solid Waste, wastes (liquid/slurry/ sludge /solid/ semisolid) (cont'd.)	Nitrogen available	IS 14684 Determination of Nitrogen and Nitrogenous Compounds in Soils	
		pH	IS 2720 (P-26) Method of test for soils: Part 26 Determination of pH value	
		Phosphorous		EASI-CHE-SOP-121 Procedure for determination of Boron, Sodium and Phosphorus in soil/solid waste
				IS 10158 Methods of Analysis of Solid Wastes (Excluding Industrial Solid Wastes)
		Potassium		AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
				USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Preparation of Leachate (TCLP extract/water extract)		CPCB MANUAL on Hazardous waste
				USEPA 1311 TOXICITY CHARACTERISTIC LEACHING PROCEDURE
		Reactivity		CPCB MANUAL on Hazardous waste
		SAR		EASI-CHE-SOP-197 Determination of Sodium Adsorption ratio and percent in Soil and Sediments
		Selenium		AOAC 993.14 Trace elements in waters and wastewaters. Inductively coupled plasma-mass spectrometric method
		Silver		AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
				USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
Chemical/Environment (cont'd.)		Sodium	AOAC 990.08 Metals in solid wastes. Inductively coupled	

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	Hazardous waste, Municipal Solid Waste, wastes (liquid/slurry/ sludge /solid/ semisolid) (cont'd.)		plasma atomic emission spectrometric method USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Sodium absorption ratio	IS 11624 Quality of Irrigation Water — Guidelines (First Revision)
		Sodium percent	IS: 11624 Quality of Irrigation Water — Guidelines (First Revision)
		Soluble Alkalinity	EASI-CHE-SOP-122, Procedure for determination of Soluble Alkalinity in soil
		Soluble Chloride	EASI-CHE-SOP-120 Procedure for Testing Soluble chloride in Hazardous waste, Municipal Solid Waste, wastes (liquid/slurry/ sludge /solid/ semisolid)
		Sulphate	IS 2720 (P-27) Methods of test for soils: Part 27 Determination of total soluble sulphates
		Tin	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
			USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Total Chromium	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
			USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
	Total Iron	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method	

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Chemical/Environment (cont'd.)	Hazardous waste, Municipal Solid Waste, wastes (liquid/slurry/ sludge /solid/ semisolid) (cont'd.)	Total Kjeldahl Nitrogen	IS 10158 Methods of Analysis of Solid Wastes (Excluding Industrial Solid Wastes)
		Total organic carbon (TOC)	EASI-SOP-CHE-219, Procedure in Total Organic Carbon and Total Organic Matter in Soil Sediments
		Total Organic matter	EASI-SOP-CHE-219, Procedure in Total Organic Carbon and Total Organic Matter in Soil Sediments
		Total Soluble solids	IS 2720 (P-2) Methods of test for soils: Part 2 Determination of water content
		Total water soluble salt	IS 2720 (P-21) Methods of Test for Soils - Part XXI : Determination of Total Soluble Solids
		Toxicity	IS 6582 (Part-1) Bio-assay methods for evaluating acute toxicity of industrial effluents and wastewaters
			IS 6582 (Part-2) Bio-assay methods for evaluating acute toxicity of industrial effluents and wastewaters : Part 2 Using Toxicity Factor to Zebra Fish
		Water holding capacity	EASI-CHE-SOP-220, Determination of Water holding Capacity in Soil and Sediments
		Zinc	AOAC 993.14 Trace elements in waters and wastewaters. Inductively coupled plasma-mass spectrometric method
		Soil/Sludge/Sediment and Solid Waste	1. Antimony
2. Aluminium			
3. Arsenic			
4. Beryllium			
5. Cadmium			
6. Calcium			
7. Chromium			
8. Cobalt			
9. Copper			
10. Iron			
11. Lead			
12. Magnesium			
13. Manganese			

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Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)	14. Mercury 15. Molybdenum 16. Nickel 17. Phosphorous 18. Potassium 19. Selenium 20. Silver 21. Sodium 22. Tin 23. Vanadium 24. Zinc 25. Phosphates	
		"PCB 101 (2,2',4,5,5'-Pentachlorobiphenyl)"	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		"PCB 118 (2,3,4,4',5,-Pentachlorobiphenyl)"	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		"PCB 138 (2,2',3,4',4,5'-Hexachlorobiphenyl)"	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		"PCB 153 (2,2',4,4',5,5'-Hexachlorobiphenyl)"	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		"PCB 180 (2,2',3,4,4',5,5'-Heptachlorobiphenyl)"	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and

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Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)		Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		"PCB 52 (2,2',5,5'-Tetrachlorobiphenyl)"	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		2,4-D	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		2,4-DDD	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		2,4-DDE	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		2,4-DDT	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		4,4-DDD	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)		Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		4,4-DDE	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		4,4-DDT	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Acenaphthene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Acenaphthylene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Alachlor	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Aldrin	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and
Chemical/Environment			

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
(cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)		Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Aluminium	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Ammonia	EPA 350.1 Determination of Ammonia Nitrogen by Semi-Automated Colorimetry
			IS 14684 Determination of Nitrogen and Nitrogenous Compounds in Soils
		Anthracene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Antimony Antimony (cont'd.)	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and
Chemical/Environment			

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
(cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)		Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Arsenic	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Atrazine	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
Chemical/Environment		Barium	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS)

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
(cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)		in Waste water, Soil, used oil and others
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Benzo[a]anthracene	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Benzo[a]pyrene	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Benzo[b]fluoranthene	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Benzo[ghi]perylene	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Benzo[k]fluoranthene	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
Chemical/Environment (cont'd.)		Beryllium	EASI-CHE-SOP-107 Determination of Lead,

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	Soil/Sludge/Sediment and Solid Waste (cont'd.)		Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Boron	EASI-CHE-SOP-121 Procedure for determination of Boron, Sodium and Phosphorus in soil/solid waste
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Bromodichloromethane	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Bromoform	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Butachlor	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment	Soil/Sludge/Sediment and Solid Waste	Cadmium	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Calcium	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others USEPA 3050B ACID DIGESTION OF SEDIMENTS,

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)		SLUDGES, AND SOILS
		Calcium Carbonate	IS 2720 (P-23) Methods of test for soils: Part 23 Determination of calcium carbonate
		Carbonate Residual Sodium Carbonate	EASI-CHE-SOP-197 Determination of Sodium Adsorption Ratio (SAR) and percent In soil and sediments
		Cation Exchange Capacity	USEPA 9081 CATION-EXCHANGE CAPACITY OF SOILS (SODIUM ACETATE)
		Chloroform	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Chlorpyrifos	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Chromium	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium ,Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
Chromium VI	USEPA 3060 A ALKALINE DIGESTION FOR HEXAVALENT CHROMIUM		

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Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)	Chrysene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Cobalt	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Copper	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS			
		Cyanide	EPA 9013 A Cyanide extraction procedure for solids and oils-Cyanide

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Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)	Dibenzo[a,h]anthracene	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Dibromochloromethane	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Dieldrin	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Electrical Conductivity(EC)	IS 14767 Determination of the Specific Electrical Conductivity of Soils - Method of Test
		Endosulfan-alpha	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Endosulfan-beta	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Endosulfan-sulfate	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water,

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Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)		Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Ethion	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Fluoranthene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Fluorene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		HCH-alpha	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		HCH-beta	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		HCH-delta	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water,

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Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)		Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		HCH-gamma (Lindane)	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Indeno[1,2,3-cd]pyrene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Iron	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Isoproturon	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
Lead	EASI-CHE-SOP-107 Determination of Lead,		

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Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)		Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Magnesium	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Malaoxon	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Malathion	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and

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Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)		Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Manganese	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Mercury	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Moisture content	IS 2720 (P-2) Methods of test for soils: Part 2 Determination of water content
		Molybdenum	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and

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Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)		Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Monocrotophos	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Naphthalene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Nickel	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others

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Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)		USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Velocity & discharge Measurement of industrial effluent stream	EASI-CHE-SOP-252 Velocity & discharge Measurement of industrial effluent stream
		Paraoxon-methyl	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Parathion-ethyl	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Parathion-methyl	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		PCB 28 (2,4,4'-Trichlorobiphenyl)	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Phenanthrene	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS

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Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)	Phosphorous	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			EASI-CHE-SOP-121 Procedure for determination of Boron, Sodium and Phosphorus in soil/solid waste
		Phorate	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Phorate-sulfone	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Phorate-sulfoxide	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Phosphates	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin,

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)		Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Potassium	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Pyrene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Selenium	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic

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Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)		Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Silver	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Sodium	EASI-CHE-SOP-121 Procedure for determination of Boron, Sodium and Phosphorus in soil/solid waste
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Sodium absorption ratio	EASI-CHE-SOP-197 Determination of Sodium Adsorption ratio and percent in Soil and Sediments
		Sodium percent	EASI-CHE-SOP-197 Determination of Sodium Adsorption ratio and percent in Soil and Sediments
		Soluble Alkalinity	EASI-CHE-SOP-122, Procedure for determination of Soluble Alkalinity in soil
		Soluble Chloride	EASI-CHE-SOP-120 Procedure for Testing Soluble chloride in

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Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)		Hazardous waste, Municipal Solid Waste, wastes (liquid/slurry/ sludge /solid/ semisolid)
		Sulphate	IS 2720 (Part 27) Methods of test for soils: Part 27 Determination of total soluble sulphates
		Tin	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Total Chromium	USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
		Total Iron	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
		Total Kjeldahl Nitrogen	IS 10158 Methods of Analysis of Solid Wastes (Excluding Industrial Solid Wastes)
		Total Soluble solids	IS 2720 (P-21) Methods of Test for Soils - Part XXI : Determination of Total Soluble Solids
		Vanadium	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin,

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Chemical/Environment (cont'd.)	Soil/Sludge/Sediment and Solid Waste (cont'd.)		Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Zinc	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS
	Used /Waste Oil	Acenaphthene	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		Acenaphthylene	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		Anthracene	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		Arsenic	EASI-CHE-SOP-185 Determination of Metals by Inductively Coupled Plasma-Mass Spectrometer (ICP-MS)

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Chemical/Environment (cont'd.)	Used /Waste Oil (cont'd.)		And Atomic Absorption Spectrometer In Used Oil USEPA 3051A
		Benzo[a]anthracene	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		Benzo[a]pyrene	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		Benzo[b]fluoranthene	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		Benzo[ghi]perylene	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		Benzo[k]fluoranthene	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		Cadmium	EASI-CHE-SOP-185 Determination of Metals by Inductively Coupled Plasma-Mass Spectrometer (ICP-MS) And Atomic Absorption Spectrometer In Used Oil USEPA 3051A
		Chromium	EASI-CHE-SOP-185 Determination of Metals by Inductively Coupled Plasma-Mass Spectrometer (ICP-MS) And Atomic Absorption Spectrometer In Used Oil USEPA 3051A
		Chrysene	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other

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Chemical/Environment (cont'd.)	Used /Waste Oil (cont'd.)		Related products by GC-MS/MS
		Dibenzo[a,h]anthracene	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		Fluoranthene	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		Fluorene	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		Indeno[1,2,3-cd]pyrene	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		Lead	USEPA 3051A
		Naphthalene	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		Nickel	EASI-CHE-SOP-185 Determination of Metals by Inductively Coupled Plasma-Mass Spectrometer (ICP-MS) And Atomic Absorption Spectrometer In Used Oil USEPA 3051A
		PCB 101	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		PCB 118	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS

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Chemical/Environment (cont'd.)	Used /Waste Oil (cont'd.)	PCB 138	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		PCB 153	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		PCB 180	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		PCB 28	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		PCB 52	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		Phenanthrene	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
		Pyrene	EASI-CHE-SOP-111 Determination of PCBs and PAHs in Used oils and other Related products by GC-MS/MS
	Hazardous waste, Municipal Solid Waste, wastes (liquid/slurry/ sludge /solid/ semisolid)	Calorific value	EASI-CHE-SOP-253 Determination of Calorific value in Hazardous waste, Municipal Solid Waste, wastes (liquid/slurry/ sludge /solid/ semisolid)
	Soil	Cyanide	EPA 9013 A Cyanide extraction procedure for solids and oils
		Residual Sodium Carbonate	EASI-CHE-SOP-197

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE	
Chemical/Environment (cont'd.)			Determination of Sodium Adsorption Ratio (SAR) and percent In soil and sediments	
		Sulphate	IS-2720-(Part 27) Determination of total soluble sulphates	
	Soil / Water	1. TPH C5-C6 2. TPH Volatile C6-C8 3. TPH > C5-C8 4. TPH Volatile C8-C10 5. TPH C5-C10 6. TPH (C10-C12) 7. TPH (C12-C16) 8. TPH (C16-C21) 9. TPH (C21-C30) 10. TPH (C30-C35) 11. TPH (C35-C40)	EASI-CHE-SOP-294 Determination of Total Petroleum Hydrocarbons in soil and water	
	Water / Wastewater	Coagulation		IS 3025 P 50 Methods of sampling and test (Physical and Chemical) for water and wastewater: Jar Test (Coagulation test)
		Settable Solids		IS 3025 P 19 Methods of sampling and test (Physical and Chemical) for Water and Wastewater: Settable Solids
		Total and Free Carbon dioxide		IS 3025 P 61 Methods of sampling and test (Physical and Chemical) for water and wastewater
		Total Suspended Solids		IS 3025 P 17 Methods of sampling and test (Physical and Chemical) for Water and Wastewater - Non-filterable residue
		Volatile Suspended Solids Inorganic Suspended Solids		IS 3025 P 18 Methods of sampling and test (Physical and Chemical) for Water and Wastewater - Volatile and Fixed Residue (Total, Filterable and Non-filterable): Volatile Suspended Solids, Inorganic Suspended Solids
	Waste Water (Effluents/ Sewage)	1. Colloidal Silica 2. Reactive Silica		EASI-CHE-SOP-107

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Chemical/Environment (cont'd.)	Waste Water (Effluents/ Sewage) (cont'd.)		Determination Of Metals In Wastewater And Environmental Samples By Inductively Coupled Plasma- Mass Spectrometer (ICP-MS), Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES) And Atomic Absorption Spectrometer (AAS)
		2,4-D	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		2,4-DDD	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		2,4-DDE	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		2,4-DDT	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		4,4-DDD	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid

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Chemical/Environment (cont'd.)	Waste Water (Effluents/ Sewage) (cont'd.)		Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		4,4-DDE	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		4,4-DDT	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Acenaphthene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Acenaphthylene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Acidity	IS 3025 (P-22) Methods of Sampling and Test (Physical and Chemical) for Water and Waste Water - Part 22 : Acidity
		Acrylamide	EASI-CHE-SOP-115 Determination of Acrylamide in Drinking water and waste water by LC-MS/MS
		Alachlor	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid

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Chemical/Environment (cont'd.)	Waste Water (Effluents/ Sewage) (cont'd.)		Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Aldrin	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Alkalinity (as CaCO ₃)	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 2320 B
			IS 3025 P-23 Methods of sampling and test (physical and chemical) for water and wastewater : Part 23 Alkalinity
		Alkalinity – Bicarbonate	IS 3025 P-23 Methods of sampling and test (Physical and Chemical) or water and wastewater: Part 23 Alkalinity – Bicarbonate
		Aluminium	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Aluminium (as Al)	AOAC 993.14 Trace elements in waters and wastewatters. Inductively coupled plasma-mass spectrometric method
IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS)			

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE	
Chemical/Environment (cont'd.)	Waste Water (Effluents/ Sewage) (cont'd.)		— Determination of selected elements including Uranium Isotopes (first revision)	
			USEPA 3050B ACID DIGESTION OF SEDIMENTS, SLUDGES, AND SOILS	
		Ammonia (as NH ₃)	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500 NH ₃ B,C	
			IS 3025 P-34 Methods of sampling and test (physical and chemical) for water and wastewater : Part 34 Nitrogen	
		Ammonical nitrogen (as N)	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500 NH ₃ B,C	
		Anthracene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS	
		Antimony		AOAC 993.14 Trace elements in waters and wastewatters. Inductively coupled plasma-mass spectrometric method
				EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium ,Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
				IS 3025 (P-65) Methods of Sampling and Test Physical

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Chemical/Environment (cont'd.)	Waste Water (Effluents/ Sewage) (cont'd.)		and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Arsenic	AOAC 993.14 Trace elements in waters and wastewatters. Inductively coupled plasma-mass spectrometric method
			EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium ,Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
		Atrazine	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS

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Chemical/Environment (cont'd.)	Waste Water (Effluents/ Sewage) (cont'd.)	Barium	AOAC 993.14 Trace elements in waters and wastewatters. Inductively coupled plasma-mass spectrometric method
			EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Benzene	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Benzo[a]anthracene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS

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Chemical/Environment (cont'd.)	Waste Water (Effluents/ Sewage) (cont'd.)	Benzo[a]pyrene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC- MS/MS and GC-MSD with HSS
		Benzo[b]fluoranthene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC- MS/MS and GC-MSD with HSS
		Benzo[ghi]perylene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC- MS/MS and GC-MSD with HSS
		Benzo[k]fluoranthene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC- MS/MS and GC-MSD with HSS
		Beryllium	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium ,Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others

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Chemical/Environment (cont'd.)	Waste Water (Effluents/ Sewage) (cont'd.)	Bio-Chemical Oxygen Demand (3 days @27°C)	IS 3025 P-44 Methods of Sampling and Test (physical and chemical) for Water and Wastewater - Part 44 : Biochemical Oxygen Demand (BOD)
		Boron	AOAC 993.14 Trace elements in waters and wastewatters. Inductively coupled plasma-mass spectrometric method
			EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium ,Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Bromate	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
Bromodichloromethane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides,		

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Chemical/Environment (cont'd.)	Waste Water (Effluents/ Sewage) (cont'd.)		PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Bromoform	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Butachlor	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Cadmium	AOAC 993.14 Trace elements in waters and wastewaters. Inductively coupled plasma-mass spectrometric method
			EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			IS 3025 (P-41) Methods of sampling and test (physical and chemical) for water and wastewater : Part 41 Cadmium
IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected			

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Chemical/Environment (cont'd.)	Waste Water (Effluents/ Sewage) (cont'd.)		elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Calcium	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 3500 Ca-B
			EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			S 3025 P-40 Methods of sampling and test (physical and chemical) for water and waste water /P-65 Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
		Carbon tetrachloride	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
	Chemical Oxygen Demand	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 5220 B	

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Chemical/Environment (cont'd.)	Waste Water (Effluents/ Sewage) (cont'd.)	Chloride (as Cl)	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500 Cl B
		Chloroform	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Chlorpyrifos	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Chromium	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Chromium VI	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, IS 3025 P-52 Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater - Part 52 : Chromium
		Chrysene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid

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Chemical/Environment (cont'd.)	Waste Water (Effluents/ Sewage) (cont'd.)		Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Cobalt	AOAC 993.14 Trace elements in waters and wastewaters. Inductively coupled plasma-mass spectrometric method
			EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Color	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,
		Colour	IS 3025 (P-4) METHODS OF SAMPLING AND TEST PHYSICAL AND CHEMICAL FOR WATER AND WASTE WATER PART 4 COLOUR Second Revision
	Colour retention of KMNO4	IS 1070 Reagent grade water	

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	Waste Water (Effluents/ Sewage) (cont'd.)	Copper	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
Copper (as Cu)		AOAC 993.14 Trace elements in waters and wastewaters. Inductively coupled plasma-mass spectrometric method	
		IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)	
		EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry	
Cyanide		IS 3025 (P-27) Methods of sampling and test (physical and chemical) for water and wastewater : Part 27 Cyanide	
Cyanide (as CN)	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500 Cl B		
	IS 3025 P-27 Methods of sampling and test (physical and chemical) for water and wastewater : Part 27 Cyanide		

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Effective Date January 12, 2024

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Chemical/Environment	Waste Water (Effluents/Sewage)	Dibenzo[a,h]anthracene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Dibromochloromethane	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS
		Dieldrin	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Dissolved Barium	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)	Dissolved Copper	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Dissolved Iron	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Dissolved Oxygen	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 5210 B IS 3025 (P-38) Methods of sampling and test (physical and chemical) for water and wastewater : Part 38 Dissolved oxygen
		Dissolved Phosphates	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)		Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Dissolved phosphates (as P)	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500 P -B,D IS 3025 P-31 Methods of sampling and test (physical and chemical) for water and wastewater : Part 31 Phosphorus
		Dissolved Phosphorus	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Dissolved Silica	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Dissolved Zinc	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)		,Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Electrical Conductivity	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 520 B IS 3025 P-14 Methods of Sampling and Test (Physical and Chemical) for Water and Waste Water Part 14 Specific Conductance (Wheatstone Bridge, Conductance Cell)
		Electrical Conductivity (EC)	IS 3025 P-14 Methods of Sampling and Test (Physical and Chemical) for Water and Waste Water Part 14 Specific Conductance (Wheatstone Bridge, Conductance Cell)
		Endosulfan-alpha	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Endosulfan-beta	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Endosulfan-sulfate	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water,

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)		Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Ethion	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Fixed & volatile solids	IS 3025 (P-18) Methods of sampling and test (physical and chemical) for water and wastewater : Part 18 Volatile and fixed residue (total filterable and non-filterable)
		Fluoranthene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Fluorene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Fluoride	IS 3025 (P-60) Methods of sampling and test (physical and chemical) for water and wastewater : Part 60 Fluoride
		Fluoride (as F)	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500 F-B, F
			IS 3025 P-60 Methods of sampling and test (physical and chemical) for water and wastewater : Part 60 Fluoride
Formaldehyde	ISO 17226 Leather — Chemical determination of		

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)		formaldehyde content — Part 1: Method using high-performance liquid chromatography
		Free Carbon dioxide	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500
			IS 3025 P 61 Methods of sampling and test (Physical and Chemical) for water and wastewater: Total and Free Carbon dioxide
		Hardness (as CaCO ₃)	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 2340-B
			IS 3025 P-21 Methods of sampling and test (physical and chemical) for water and wastewater : Part 21 Total hardness
		HCH-alpha	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		HCH-beta	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		HCH-delta	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
HCH-gamma (Lindane)	EASI-CHE-SOP-106-Determination of Organic		

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.))		Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Indeno[1,2,3-cd]pyrene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Iron	AOAC 993.14 Trace elements in waters and wastewatters. Inductively coupled plasma-mass spectrometric method
			EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium ,Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
	EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry		

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)	Isoproturon	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC- MS/MS and GC-MSD with HSS
		Lead	AOAC 993.14 Trace elements in waters and wastewatters. Inductively coupled plasma- mass spectrometric method
			EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium ,Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
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			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Lithium	AOAC 993.14 Trace elements in waters and wastewatters. Inductively coupled plasma- mass spectrometric method
EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and			

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)		Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)	
		EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry	
		Magnesium	AOAC 993.14 Trace elements in waters and wastewatters. Inductively coupled plasma-mass spectrometric method
		EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others	
		IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and	

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)		Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Malaoxon	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Malathion	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Manganese	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium ,Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
	Manganese (as Mn)	AOAC 993.14 Trace elements in waters and wastewatters. Inductively coupled plasma-mass spectrometric method	
			IS 3025 (P-65) Methods of Sampling and Test Physical

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)		and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Mercury	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium ,Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Mercury (As Hg)	AOAC 993.14 Trace elements in waters and wastewatters. Inductively coupled plasma-mass spectrometric method
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Molybdenum	AOAC 993.14 Trace elements in waters and wastewatters.

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)		Inductively coupled plasma-mass spectrometric method
			EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)	Monocrotophos	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Naphthalene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)	Nickel	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Nickel (as Ni)	AOAC 2015.06 Minerals and Trace Elements in Milk, Milk Products, Infant Formula, and Adult/Pediatric Nutritional Formula
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Nitrate as NO ₃	PHA 23rd Edn 2017 4500 No3 - B
		Nitrate nitrogen	IS 3025 (P-34) Methods of sampling and test (physical and chemical) for water and wastewater : Part 34 Nitrogen
Nitrate Nitrogen as N	IS 3025 P-34 Methods of sampling and test (physical and chemical) for water and wastewater : Part 34 Nitrogen		

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)	Nitrite (as NO ₂)	IS 3025 P-34 Methods of sampling and test (physical and chemical) for water and wastewater : Part 34 Nitrogen
		Nitrite nitrogen	IS 3025 (P-34) Methods of sampling and test (physical and chemical) for water and wastewater : Part 34 Nitrogen
		Odour	IS 3025 (P-5) Methods of Sampling and Test (Physical and Chemical) for Water and Waste Water Part 5 Odour (Second Revision)
		Oil & Grease	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 5520 G
			IS 3025 (P-39) METHODS OF SAMPLING AND TEST PHYSICAL AND CHEMICAL FOR WATER AND WASTEWATER Part 39 Oil and Grease Second Revision
		Organic acids (Acetic acid, oxalic acid, Formic acid)	EASI-CHE-SOP-133 Determination of Organic Acids by HPLC–UV
		Orthophosphate	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500-P-D
			IS 3025 (P-31) Methods of sampling and test (physical and chemical) for water and wastewater : Part 31 Phosphorus
		Oxygen absorbed in 4 hrs	IS 3025 (P-63) Methods of Sampling and Test (Physical and Chemical) for Water and Wastewater - Part 63 : Oxygen Absorbed in 4 h
Paraoxon-methyl	EASI-CHE-SOP-41 Determination of organic contaminants (Pesticides, PCBs and PAHs) and bromate in water by GC-MS/MS, LC-MS/MS and GC MSD HSS		

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.))	Parathion-ethyl	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC- MS/MS and GC-MSD with HSS
		Parathion-methyl	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC- MS/MS and GC-MSD with HSS
		PCB 101 (2,2',4,5,5'- Pentachlorobiphenyl)	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC- MS/MS and GC-MSD with HSS
		PCB 118 (2,3,4,4',5,- Pentachlorobiphenyl)	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC- MS/MS and GC-MSD with HSS
		PCB 138 (2,2',3,4',4,5'- Hexachlorobiphenyl)	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC- MS/MS and GC-MSD with HSS
		PCB 153 (2,2',4,4',5,5'- Hexachlorobiphenyl)	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC- MS/MS and GC-MSD with HSS

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.))	PCB 180 (2,2',3,4,4',5,5'-Heptachlorobiphenyl)	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		PCB 28 (2,4,4'-Trichlorobiphenyl)	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		PCB 52 (2,2',5,5'-Tetrachlorobiphenyl)	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		pH	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, IS 3025 (P-11) METHODS OF SAMPLING AND TEST PHYSICAL AND CHEMICAL FOR WATER AND WASTE WATER Part 11 pH value Second Revision
		Phenanthrene	EASI-CHE-SOP-106-Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Phenolic compounds (as C6H5OH)	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 5300 -C IS 3025 P-43 Methods of sampling and test (physical and

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)		chemical) for water and waste water : Part 43 Phenols
		Phosphorus	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Phorate	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Phorate-sulfone	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Phorate-sulfoxide	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues, PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS, LC-MS/MS and GC-MSD with HSS
		Phosphate	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500-P-D
		Phosphate	IS 3025 (P-31) Methods of sampling and test (physical and chemical) for water and

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.))		wastewater : Part 31 Phosphorus
		Phosphate	IS 3025 P-31 Methods of sampling and test (physical and chemical) for water and wastewater : Part 31 Phosphorus
		Phosphates	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium ,Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Potassium	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 3500k.B
			EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium ,Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			IS 3025 (P-45) Methods of sampling and test (physical and chemical) for water and wastewater : Part 45 Sodium and potassium
			IS 3025 (P-65) Methods of Sampling and Test Physical

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.))		and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Pyrene	EASI-CHE-SOP-106- Determination of Organic Contaminants (Pesticide Residues,PCBs and PAHs) and Bromate in Waste Water, Soil/Sludge/Sediment and Solid Waste by GC-MS/MS,LC-MS/MS and GC-MSD with HSS
		Residual Free Chlorine	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500Cl -B IS 3025 P-26 Methods of sampling and test physical and chemical for water and wastewater Part 26 Chlorine residualesecond revision of IS 3025Part 26
		Salinity	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition,
		Selenium	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium ,Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS)

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)		in Waste water, Soil, used oil and others
		Selenium (as Se)	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
			AOAC 993.14 Trace elements in waters and wastewaters. Inductively coupled plasma-mass spectrometric method
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
		Settleable solids	IS 3025 (P-19) Methods of Sampling and Test (Physical and Chemical) for Water and Waste Water Part 19 Settleable Matter (Second Revision)
	Silica	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500 Sio2	
		EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) Inductively Coupled Plasma-Optical Emission Spectrometer (ICP-OES) Atomic Absorption Spectrometer (AAS)	

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.))		1. Colloidal Silica 2. Reactive Silica IS 3025 (P-35) Methods of sampling and test (physical and chemical) for water and wastewater : Part 35 Silica
		Silver	AOAC 993.14 Trace elements in waters and wastewatters. Inductively coupled plasma-mass spectrometric method
			EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
		Sodium	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)		Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Sodium absorption ratio	IS 11624 Quality of Irrigation Water — Guidelines (First Revision)
		Strontium	AOAC 993.14 Trace elements in waters and wastewatters. Inductively coupled plasma-mass spectrometric method
			EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium ,Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
Sulphate	IS 3025 P-24 Methods of sampling and test (physical and chemical) for water and wastewater : Part 24 Sulphates		
	Sulphates	Standard Methods for the Examination of Water and	

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.))		Wastewater, APHA 23rd Edition, 4500 E
			IS 3025 P-24 Methods of sampling and test (physical and chemical) for water and wastewater : Part 24 Sulphates
		Sulphide	IS 3025 (P-29) Methods of sampling and test (physical and chemical) for water and wastewater : Part 29 Sulphide
		Sulphide (as S)	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500 S -B
			IS 3025 P-29 Methods of sampling and test (physical and chemical) for water and wastewater : Part 29 Sulphide
		Sulphite	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500 SO3-C
			IS 3025 (P-28) Methods of sampling and test (physical and chemical) for water and wastewater : Part 28 Sulphite
		Surfactants (as MBAS)	IS 13428 Annex K Packaged Natural Mineral Water
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 5540 C
		Temperature	IS 3025 (P-9) Methods of sampling and test (physical and chemical) for water and wastewater : Part 9 Temperature
Tin	AOAC 993.14 Trace elements in waters and wastewatters. Inductively coupled plasma-mass spectrometric method		
	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin,		

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)		Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)	
		EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry	
		Total Chromium	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 22nd Edi
		Total Dissolved Solids	IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
		Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 2540 - C IS 3025 P-16 Methods of sampling and test (physical and chemical) for water and wastewater : Part 16 Filterable residue (total dissolved solids)	

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Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)	Total hardness	IS 3025 (P-21) Methods of sampling and test (physical and chemical) for water and wastewater : Part 21 Total hardness
		Total kjehldal nitrogen (TKN)	IS 3025 (P-34) Methods of sampling and test (physical and chemical) for water and wastewater : Part 34 Nitrogen
			Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 4500 B, 4500 B,C
		Total Solids	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 2540 A
			IS 3025 (P-15) Methods of sampling and test (physical and chemical) for water and wastewater : Part 15 Total residue (total solids-dissolved and suspended)
		Total Suspended Solids	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 2540 D
			IS 3025 P-17 Methods of sampling and test (physical and chemical) for water and wastewater : Part 17 Non-filterable residue (total suspended solids)
		Turbidity	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 2130 B
IS 3025 (P-10) Methods of sampling and test (physical and chemical) for water and wastewater : Part 10 Turbidity			
Vanadium	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin,		

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			Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Nitrate	EASI-CHE-SOP-250 Determination of Nitrate in soil sediments.
		Volatile Solids	Standard Methods for the Examination of Water and Wastewater, APHA 23rd Edition, 2540G
		Zinc	EASI-CHE-SOP-107 Determination of Lead, Cadmium, Arsenic and Mercury, Aluminium, Lithium, Strontium, Silver, Tin, Chromium, Nickel, Copper, Iron, Manganese, Zinc, Selenium, Cobalt and Molybdenum by Inductively Coupled Plasma- Mass Spectrometer (ICP-MS) and Sodium & potassium by Atomic Absorption Spectrometer (AAS) in Waste water, Soil, used oil and others
		Zinc (as Zn)	AOAC 990.08 Metals in solid wastes. Inductively coupled plasma atomic emission spectrometric method
			EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry
Chemical/Environment (cont'd.)	Waste Water (Effluents/Sewage (cont'd.)		AOAC 993.14 Trace elements in waters and wastewaters. Inductively coupled plasma-mass spectrometric method
			IS 3025 (P-65) Methods of Sampling and Test Physical and Chemical for Water and

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Chemical/Environment (cont'd.)			Wastewater Part 65 Application of Inductively Coupled Plasma Mass Spectrometry (ICP-MS) — Determination of selected elements including Uranium Isotopes (first revision)
	Water/Waste water/Soil/Sludge/Municipal waste	Effluents toxicity (Bioassay only qualitative- 90% survival of fish after 96 hours in 100 percent effluent)	IS 6582 (Part-1) Bio-assay methods for evaluating acute toxicity of industrial effluents and wastewaters
			IS 6582 (Part-2) Bio-assay methods for evaluating acute toxicity of industrial effluents and wastewaters
	Ambient Air	Ammonia	IS 5182 Part 25 Methods for Measurement of Air Pollution Part 25 Ammonia
		Arsenic	EASI-CHE-SOP-241 Arsenic in Ambient Air/Ambient Air/Fugitive emission/ Indoor Air
		Benzene	IS 5182 (Part-11) Methods for measurement of air pollution : Part 11 Benzene, Toluene and xylene (BTX)
		Benzo(a)Pyrene	EASI-CHE-SOP-240 Benzo (a)pyrene in Ambient Air/Fugitive emission/ Indoor Air
		Carbon Monoxide	IS 5182 (Part-10) Methods for Measurement of Air Pollution - Part 10 : Carbon Monoxide
		Fluoride	IS 5182 (Part 13) Methods of Measurement of Air Pollution - Part 13 : Total Fluorides in Ambient Air
		Lead	IS 5182 (Part 22) Method for measurement of air pollution : Part 22 Lead
Nickel		EASI-CHE-SOP-242 Nickel Ambient Air/Ambient Air/Fugitive emission/ Indoor Air	
	Nitrogen dioxide as NO ₂	IS 5182 (Part 6) Methods for Measurement of Air Pollution - Part 6 : Oxides of nitrogen	

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Chemical/Environment (cont'd.)	Ambient Air (cont'd.)	Ozone	IS 5182 (Part 9) Methods for measurement of air pollution : Part 9 Oxidants
		PM2.5	IS 5182 PART 24 Methods for Measurement of Air Pollution Part 24 Fine Particulate Matter (PM2.5)
		Respirable suspended particulate matter (PM10)"	IS 5182 (Part 23) Methods for Measurement for air Pollution : Part 23 Respirable suspended particulate matter (PM 10), cyclonic flow technique
		Sulphur dioxide (SO2)	IS 5182 (Part 2) Methods for Measurement of Air Pollution Part 2 Sulphur Dioxide Section 2 Ultraviolet fluorescence method
		Total suspended particulate matter	IS 5182 (Part 4) Methods for Measurement of Air Pollution - Part 4 : Suspended Particulate Matter
	Ambient Noise Levels (Excluding vibration)	Noise level	IS 9989 Assessment of Noise with Respect to Community Response
	Fugitive emission	Ammonia	IS 5182 Part 25 Methods for Measurement pf Air Pollution Part 25 Ammonia
		Fluoride	IS 5182 (Part 13) Methods of Measurement of Air Pollution - Part 13 : Total Fluorides in Ambient Air
		Lead	IS 5182 (Part 22) Method for measurement of air pollution : Part 22 Lead
		Nitrogen dioxide as NO2	IS 5182 (Part 6) Methods for Measurement of Air Pollution - Part 6 : Oxides of nitrogen
Ozone		IS 5182 (Part 9) Methods for measurement of air pollution : Part 9 Oxidants	
PM2.5		IS 5182 PART 24 Methods for Measurement of Air Pollution Part 24 Fine Particulate Matter (PM2.5)	
Respirable suspended particulate matter (PM10)		IS 5182 (Part 23) Methods for Measurement for air Pollution :	

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Chemical/Environment (cont'd.)	Fugitive emission (cont'd.)		Part 23 Respirable suspended particulate matter (PM 10), cyclonic flow technique
		Sulphur dioxide (SO ₂)	IS 5182 (Part 2) Methods for Measurement of Air Pollution Part 2 Sulphur Dioxide Section 2 Ultraviolet fluorescence method
		Total suspended particulate matter	IS 5182 (Part 4) Methods for Measurement of Air Pollution - Part 4 : Suspended Particulate Matter
	Indoor Air Monitoring	Ammonia	IS 5182 Part 25 Methods for Measurement of Air Pollution Part 25 Ammonia
		Arsenic	EASI-CHE-SOP-241 Arsenic in Ambient Air/Ambient Air/Fugitive emission/ Indoor Air
		Humidity	EASI-CHE-SOP-249 Recording, Monitoring and Control of temperature and humidity in Indoor Air
		Lead	IS 5182 (Part 22) Method for measurement of air pollution : Part 22 Lead
		Nickel	EASI-CHE-SOP-242 Nickel Ambient Air/Ambient Air/Fugitive emission/ Indoor Air
		Nitrogen dioxide as NO ₂	IS 5182 (Part 6) Methods for Measurement of Air Pollution - Part 6 : Oxides of nitrogen
		Ozone	IS 5182 (Part 9) Methods for measurement of air pollution : Part 9 Oxidants
PM _{2.5}	IS 5182 PART 24 Methods for Measurement of Air Pollution Part 24 Fine Particulate Matter (PM _{2.5})		
Respirable suspended particulate matter (PM ₁₀)	IS 5182 (Part 23) Methods for Measurement for air Pollution : Part 23 Respirable suspended particulate matter (PM 10), cyclonic flow technique		

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Chemical/Environment (cont'd.)	Indoor Air Monitoring (cont'd.)	Sulphur dioxide (SO ₂)	IS 5182 (Part 2) Methods for Measurement of Air Pollution Part 2 Sulphur Dioxide Section 2 Ultraviolet fluorescence method
		Temperature	EASI-CHE-SOP-249 Recording, Monitoring and Control of temperature and humidity in Indoor Air
	Meteorological Monitoring	Ambient Temperature	SP 61
		Relative Humidity	SP 61
		Solar radiation	SP 61
		Wind direction	SP 61
		Wind speed	SP 61
	Stack gases/source emission	Acid mist	USEPA 8 DETERMINATION OF SULFURIC ACID AND SULFUR DIOXIDE EMISSIONS FROM STATIONARY SOURCES
		Ammonia	IS 11255 (P-6) Methods of Measurement of Emissions From Stationary Sources - Part 6 : Ammonia
		Carbon dioxide	EASI-CHE-SOP-247, Sampling And Analysis Of Carbon Di Oxide, Carbon Mono Oxide And Oxygen In Stack Emission By Flue Gas Analyzer
		Carbon monoxide	EASI-CHE-SOP-247, Sampling And Analysis Of Carbon Di Oxide, Carbon Mono Oxide And Oxygen In Stack Emission By Flue Gas Analyzer
		Fluoride (gaseous)	USEPA 13 B DETERMINATION OF TOTAL FLUORIDE EMISSIONS FROM STATIONARY SOURCES (SPECIFIC ION ELECTRODE METHOD)
		Fluoride (particulate)	CPCB Series:LATS/80 GUIDELINES ON METHODOLOGIES FOR SOURCE EMISSION MONITORING

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	Stack gases/source emission (cont'd.)	Hydro-chloric acid	USEPA 8 DETERMINATION OF SULFURIC ACID AND SULFUR DIOXIDE EMISSIONS FROM STATIONARY SOURCES	
		Hydrogen Sulphide	IS 11255 (P-4) Methods for measurement of emissions from stationary sources : Part 4 Hydrogen sulphide and carbon disulphide	
		Oxides of nitrogen	IS 11255 (P-7) Methods for measurement of emission from stationary sources: Part 7 Oxides of nitrogen	
		Oxygen	EASI-CHE-SOP-247, Sampling And Analysis Of Carbon Di Oxide, Carbon Mono Oxide And Oxygen In Stack Emission By Flue Gas Analyzer	
		Particulate matter	IS 11255 (P-1) Methods for measurement of emissions from stationary sources: Part 1 Particulate matter	
		Sulphur dioxide	IS 11255 (P-2) Methods for measurement of emissions from stationary sources: Part 2 Sulphur dioxide	
		Temperature	CPCB Series:LATS/80 Guidelines on methodologies for source emission monitoring	
		Velocity & flow	CPCB Series:LATS/80 Guidelines on methodologies for source emission monitoring	
		Light Illumination	Lux	IS 3646 Part-1 General requirements and recommendations for welding interiors: LUX
		Charcoal/ Activated Carbon –Powdered & Granular	Iodine Number	ASTM D4607 Standard test method for determination of Iodine Number (IN) of activated carbon
Methylene Blue	IS 877 Methods of sampling and test			
Moisture	ASTM D2867 Standard test methods for moisture In activated carbon			

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		pH	ASTM D3838 Standard test method for pH of activated carbon