



CERTIFICATE OF ACCREDITATION

This is to attest that

TUV SUD SOUTH ASIA PVT LTD

PLOT NO.19/1 IDA BLOCK – B, AUTO NAGAR, MINDI VILLAGE, GAJUWAKA MANDAL
VIZAG, AP, 530012, INDIA

Testing Laboratory TL-1079

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 April 30, 2024



A handwritten signature in black ink, reading 'Raj Nathan'.

President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

TUV SUD SOUTH ASIA PVT LTD

www.tuvsud.com/in

Contact Name PEDADA RAO

Contact Phone +91 9492757421

Accredited to ISO/IEC 17025:2017

Effective Date April 30, 2024

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products	Meat & Meat Products	Aerobic Plate Count	Chapter 3, FDA- BAM 2001
		Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms (Pour plate method)	
		Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique	ISO 4833-1-2013
		Test Parameter - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	
		Enumeration of Escherichia coli and the Coliform Bacteria	Chapter 4, FDA- BAM ,2020
Test Parameter: E. coli (Pour plate method & MPN method)			
Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli — Part 2: Colony-count technique at 44 degrees C using 5-bromo-4-chloro-3-indolyl beta-D-glucuronide	ISO 16649 – 2 2001		
Test Parameter: E. coli			
Microbiology of the food chain — Horizontal method for the enumeration of	ISO 16649-3-2015		

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Meat & Meat Products (cont'd.)	beta-glucuronidase-positive Escherichia coli — Part 3: Detection and most probable number technique using 5-bromo-4-chloro-3-indolyl-β-D-glucuronide Test Parameter: E. coli	
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 1: Isolation, Identification and Enumeration of Escherichia Coli Test Parameter: E. coli	IS 5887 (Part 1) 1976(Reaffirmed 2022)
		Enumeration of Escherichia coli and the Coliform Bacteria Test Parameter: Coliforms (Pour plate method & MPN method)	Chapter 4, FDA- BAM ,2020
		Microbiology of food and animal feeding stuffs — Horizontal method for the detection and enumeration of coliforms — Most probable number technique Test Parameter: Coliforms	ISO 4831 :2006
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique Test Parameter: Coliforms	ISO 4832:2006
		Staphylococcus aureus Test Parameter: S. aureus (Spread Plate count method)	Chapter 12, FDA- BAM,2016
		Microbiology of the food chain — Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) — Part	ISO 6888-1-2021

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Meat & Meat Products (cont'd.)	1: Method using Baird-Parker agar medium Test Parameter: S. aureus (Spread Plate count method)	
		Methods for detection of bacteria responsible for food poisoning part ii isolation, identification, and enumeration of staphylococcus aureus and faecal streptococci Test Parameter: S. aureus (Spread Plate count method)	IS 5887 (Part 2) 1976 (Reaffirmed 2022)
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 8: Horizontal Method for Enumeration of Coagulase-Positive Staphylococci (Staphylococcus Aureus and other Species), Section 1: Technique Using Baird-Parker Agar Medium Test Parameter: S. aureus (Spread Plate count method)	IS 5887(P-8/sec-1) 2002(Reaffirmed 2022)
		Microbiology of the food chain — Horizontal method for the detection, enumeration and serotyping of Salmonella — Part 1: Detection of Salmonella spp. Test Parameter: Salmonella	ISO 6579-1-2017
		Salmonella Test Parameter: Salmonella	Chapter 5, FDA- BAM 2023
		Detection of Salmonella Test Parameter: Salmonella	2013.01, Chapter 17, AOAC 21 st Edition (Salmonella in a Variety of Foods VIDAS UP Salmonella -SPT Method)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Meat & Meat Products (cont'd.)	Yeasts and Molds Test Parameter: Yeast and Mould (Spread plate method)	Chapter 18, US FDA BAM 2001
		Method for yeast and mould count of food stuffs and animal feed Test Parameter: Yeast and Mould	IS 5403-1999 (Reaffirmed 2018)
		Detection of <i>Listeria monocytogenes</i> in Foods and Environmental Samples, and Enumeration of <i>Listeria monocytogenes</i> in Foods Test Parameter: <i>Listeria monocytogenes</i> (Detection)	Chapter 10, FDA- BAM 2022
		Microbiology of food and feeding stuffs — horizontal method for detection and enumeration of <i>Listeria monocytogenes</i> Part 1 Detection method Test Parameter: <i>Listeria monocytogenes</i>	IS 14988 (Part 1)2020
		Microbiology of the food chain — Horizontal method for the detection and enumeration of <i>Listeria monocytogenes</i> and of <i>Listeria</i> spp. — Part 1: Detection method Test Parameter: <i>Listeria</i> spp / <i>Listeria monocytogenes</i>	ISO 11290-1 2017
		Detection of <i>Listeria monocytogenes</i> Test Parameter: <i>Listeria monocytogenes</i>	2004.02, Chapter 17 AOAC, 21 st Edition (<i>Listeria monocytogenes</i> in Foods VIDAS <i>Listeria monocytogenes</i> II -LMO2)
		Methods for detection of bacteria responsible for food poisoning part 4:	IS 5887(Part 4)1999 (Reaffirmed 2022)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Meat & Meat Products (cont'd.)	isolation and identification of Clostridium perfringens (Clostridium welchii) and Clostridium botulinum and enumeration of Clostridium perfringens Test Parameter: Clostridium perfringens	
		Microbiology of the food chain – Horizontal method for the detection and enumeration of Clostridium spp. – Part 2: Enumeration of Clostridium perfringens by colony-count technique	ISO 15213-2:2023
		Clostridium perfringens Test Parameter: Clostridium perfringens	Chapter 16, FDA- BAM 2001
		Methods for detection of bacteria responsible for food poisoning part 7: General guidance on methods for isolation and identification of shigella Test Parameter: Shigella	IS 5887 (Part 7) 1999(Reaffirmed 2022)
		Microbiology of food and animal feeding stuffs — Horizontal methods for the detection and enumeration of Enterobacteriaceae — Part 2: Colony-count method Test Parameter: Enterobacteriaceae	ISO 21528 – 2-2017
		Canned Meat products- Commercial sterility Test Parameter: Incubation Test @37 deg for 10 days Test Parameter: Incubation Test @55 deg for 7 days	Chapter 61.4, Compendium of Methods for the Microbiological Examination of Foods, APHA 5th Edition
	Poultry & Poultry Products	Aerobic Plate Count Test Parameter: - Aerobic plate count /Total plate	Chapter 3, FDA- BAM 2001

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Poultry & Poultry Products (cont'd.)	count/Mesophilic aerobic microorganisms (Pour plate count)	
		Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique Test Parameter - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	ISO 4833-1-2013
		Enumeration of Escherichia coli and the Coliform Bacteria Test Parameter: E. coli (Pour plate method & MPN method)	Chapter 4, FDA- BAM ,2020
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli — Part 2: Colony-count technique at 44 degrees C using 5-bromo-4-chloro-3-indolyl beta-D-glucuronide Test Parameter: E. coli	ISO 16649 – 2 2001
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 1: Isolation, Identification and Enumeration of Escherichia Coli Test Parameter: E. coli	IS 5887 (Part 1) 1976(Reaffirmed 2022)
		Enumeration of Escherichia coli and the Coliform Bacteria Test Parameter: Coliforms (Pour plate method & MPN method)	Chapter 4, FDA- BAM ,2020

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Poultry & Poultry Products (cont'd.)	Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique Test Parameter: Coliforms	ISO 4832:2006
		Microbiology — general guidance for the enumeration of coliforms part 1 colony count technique Test Parameter: Coliforms	IS 5401-1-2012 (Reaffirmed 2022)
		Staphylococcus aureus Test Parameter: S. aureus (Spread Plate count method)	Chapter 12, FDA- BAM,2016
		Microbiology of the food chain — Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) — Part 1: Method using Baird-Parker agar medium Test Parameter: S. aureus (Spread Plate count method)	ISO 6888-1-2021
		Methods for detection of bacteria responsible for food poisoning part ii isolation, identification, and enumeration of staphylococcus aureus and faecal streptococci Test Parameter: S. aureus (Spread Plate count method)	IS 5887 (Part 2) 1976(Reaffirmed 2022)
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 8: Horizontal Method for Enumeration of Coagulase-Positive Staphylococci	IS 5887(P-8/sec-1) 2002(Reaffirmed 2022)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Poultry & Poultry Products (cont'd.)	(Staphylococcus Aureus and other Species), Section 1: Technique Using Baird-Parker Agar Medium Test Parameter: S. aureus (Spread Plate count method)	
		Microbiology of the food chain — Horizontal method for the detection, enumeration and serotyping of Salmonella — Part 1: Detection of Salmonella spp. Test Parameter: Salmonella	ISO 6579-1-2017
		Methods for detection of bacteria responsible for food poisoning part3 general guidance on methods for the detection of salmonella Test Parameter: Salmonella	IS 5887(Part 3) sec 1 -2020
		Salmonella Test Parameter: Salmonella	Chapter 5, FDA- BAM 2023
		Detection of Salmonella Test Parameter: Salmonella	2013.01, Chapter 17, AOAC 21 st Edition (Salmonella in a Variety of Foods VIDAS UP Salmonella -SPT Method)
		Yeasts and Molds Test Parameter: Yeast and Mould (Spread plate method)	Chapter 18, US FDA BAM 2001
		Method for yeast and Mould count of food stuffs and animal feed Test Parameter: Yeast and Mould	IS 5403-1999 (Reaffirmed 2018)
		Detection of Listeria monocytogenes in Foods and Environmental Samples, and Enumeration	Chapter 10, FDA- BAM 2022

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Poultry & Poultry Products (cont'd.)	of <i>Listeria monocytogenes</i> in Foods Test Parameter: <i>Listeria monocytogenes</i> (Detection)	
		<i>Listeria monocytogenes</i> in Foods VIDAS <i>Listeria monocytogenes</i> II -LMO2 – Rapid Analysis. Test Parameter: <i>Listeria monocytogenes</i>	2004.02, Chapter 17 AOAC, 21 st Edition (<i>Listeria monocytogenes</i> in Foods VIDAS <i>Listeria monocytogenes</i> II -LMO2)
		Microbiology of food and feeding stuffs — horizontal method for detection and enumeration of <i>Listeria monocytogenes</i> Part 1 Detection method Test Parameter: <i>Listeria monocytogenes</i>	IS 14988 (Part 1)2020
		Microbiology of the food chain — Horizontal method for the detection and enumeration of <i>Listeria monocytogenes</i> and of <i>Listeria</i> spp. — Part 1: Detection method Test Parameter: <i>Listeria</i> spp / <i>Listeria monocytogenes</i>	ISO 11290-1 2017
		Methods for detection of bacteria responsible for food poisoning part 4: isolation and identification of <i>Clostridium perfringens</i> (<i>Clostridium welchii</i>) and <i>Clostridium botulinum</i> and enumeration of <i>Clostridium perfringens</i> Test Parameter: <i>Clostridium perfringens</i>	IS 5887(Part 4)1999 (Reaffirmed 2022)
		Microbiology of the food chain – Horizontal method for the detection and enumeration of <i>Clostridium</i> spp. – Part 2: Enumeration	ISO 15213-2:2023

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Poultry & Poultry Products (cont'd.)	of <i>Clostridium perfringens</i> by colony-count technique	
		Methods for detection of bacteria responsible for food poisoning part 7: General guidance on methods for isolation and identification of shigella Test Parameter: Shigella	IS 5887 (Part 7) 1999(Reaffirmed 2022)
		Microbiology of the food chain — Horizontal method for the detection and enumeration of Enterobacteriaceae — Part 1: Detection of Enterobacteriaceae Test Parameter: Enterobacteriaceae	ISO 21528 – 2-2017
		Canned Meat products- Commercial sterility Test Parameter: Incubation Test @37 deg for 10 days Test Parameter: Incubation Test @55 deg for 7 days	Chapter 61.4, Compendium of Methods for the Microbiological Examination of Foods, APHA 5th Edition
	Vegetables & Vegetables Products	Aerobic Plate Count Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	Chapter 3, FDA- BAM 2001
		Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique Test Parameter - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	ISO 4833-1-2013
Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of micro-		IS 5402:2012 (Reaffirmed 2018)	

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Vegetables & Vegetables Products (cont'd.)	organisms — colony-count technique at 30°C Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	
		Enumeration of Escherichia coli and the Coliform Bacteria Test Parameter: E. coli (Pour plate method & MPN method)	Chapter 4, FDA- BAM ,2020
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 1: Isolation, Identification and Enumeration of Escherichia Coli Test Parameter: E. coli	IS 5887 (Part 1) 1976(Reaffirmed 2022)
		Enumeration of Escherichia coli and the Coliform Bacteria Test Parameter: Coliforms (Pour plate method & MPN method)	Chapter 4, FDA- BAM ,2020
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique Test Parameter: Coliforms	ISO 4832:2006
		Microbiology — general guidance for the enumeration of coliforms part 1 colony count technique Test Parameter: Coliforms	IS 5401-1-2012 (Reaffirmed 2022)
		Staphylococcus aureus Test Parameter: S. aureus (Spread Plate count method)	Chapter 12, FDA- BAM,2016

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Vegetables & Vegetables Products (cont'd.)	Microbiology of the food chain — Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) — Part 1: Method using Baird-Parker agar medium Test Parameter: S. aureus (Spread Plate count method)	ISO 6888-1-2021
		Methods for detection of bacteria responsible for food poisoning part ii isolation, identification, and enumeration of staphylococcus aureus and faecal streptococci Test Parameter: S. aureus (Spread Plate count method)	IS 5887 (Part 2) 1976(Reaffirmed 2022)
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 8: Horizontal Method for Enumeration of Coagulase-Positive Staphylococci (Staphylococcus Aureus and other Species), Section 1: Technique Using Baird-Parker Agar Medium Test Parameter: S. aureus (Spread Plate count method)	IS 5887(P-8/sec-1) 2002(Reaffirmed 2022)
		Microbiology of the food chain — Horizontal method for the detection, enumeration and serotyping of Salmonella — Part 1: Detection of Salmonella spp. Test Parameter: Salmonella	ISO 6579-1-2017
		Methods for detection of bacteria responsible for	IS 5887(Part 3) sec -1- 2020

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Vegetables & Vegetables Products (cont'd.)	food poisoning part3 general guidance on methods for the detection of salmonella	
		Test Parameter: Salmonella	
		Salmonella	Chapter 5, FDA- BAM 2023
		Test Parameter: Salmonella	
		Detection of Salmonella	2013.01, Chapter 17, AOAC 21 st Edition (Salmonella in a Variety of Foods VIDAS UP Salmonella -SPT Method)
		Test Parameter: Salmonella	
		Yeasts and Molds	Chapter 18, US FDA BAM 2001
		Test Parameter: Yeast and Mould (Spread plate method)	
		Method for yeast and mould count of food stuffs and animal feed	IS 5403-1999 (Reaffirmed 2018)
		Test Parameter: Yeast and Mould	
Methods for detection of bacteria responsible for food poisoning, Part 5: Isolation, identification, and enumeration of Vibrio cholerae and Vibrio paraheamolyticus	IS 5887(Part 5) 1976 (Reaffirmed 2018)		
Test Parameter: Vibrio cholerae			
Vibrio	Chapter 09, FDA – BAM		
Test Parameter: Vibrio cholera			
Detection of Listeria monocytogenes in Foods and Environmental Samples, and Enumeration of Listeria monocytogenes in Foods	Chapter 10, FDA- BAM 2022		
Test Parameter: Listeria monocytogenes (Detection)			

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Vegetables & Vegetables Products (cont'd.)	Microbiology of food and feeding stuffs — horizontal method for detection and enumeration of listeria monocytogenes Part 1 Detection method Test Parameter: Listeria monocytogenes	IS 14988 (Part 1)2020
		Microbiology of the food chain — Horizontal method for the detection and enumeration of Listeria monocytogenes and of Listeria spp. — Part 1: Detection method Test Parameter: Listeria spp / Listeria monocytogenes	ISO 11290-1 2017
		Detection of Listeria monocytogenes Test Parameter: Listeria monocytogenes	2004.02, Chapter 17 AOAC, 21 st Edition (Listeria monocytogenes in Foods VIDAS Listeria monocytogenes II -LMO2)
		Methods for detection of bacteria responsible for food poisoning part 4: isolation and identification of Clostridium perfringens (Clostridium welchii) and Clostridium botulinum and enumeration of Clostridium perfringens Test Parameter: Clostridium perfringens	IS 5887(Part 4)1999 (Reaffirmed 2022)
		Bacillus cereus Test Parameter: Bacillus cereus	Chapter 14, US FDA BAM
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of presumptive Bacillus	ISO 7932:2004

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE	
Biological: Food & Agricultural products (cont'd.)	Vegetables & Vegetables Products (cont'd.)	cereus — Colony-count technique at 30 degrees C Test Parameter: Bacillus cereus		
		Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of presumptive bacillus cereus part 6 colony-count technique at 30°C Test Parameter: Bacillus cereus	IS 5887-6 :2012 (Reaffirmed 2022)	
		Microbiology of the food chain – Horizontal method for the detection and enumeration of <i>Clostridium</i> spp. – Part 2: Enumeration of <i>Clostridium perfringens</i> by colony-count technique	ISO 15213-2:2023	
		<i>Clostridium perfringens</i> Test Parameter: <i>Clostridium perfringens</i>	Chapter 16, FDA- BAM 2001	
	Other specified food items -Raw, cooked Foods & Ready to eat		Aerobic Plate Count Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	Chapter 3, FDA- BAM 2001
			Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique	ISO 4833-1-2013

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Other specified food items -Raw, cooked Foods & Ready to eat (cont'd.)	Test Parameter - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	
		Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of microorganisms — colony-count technique at 30°C Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	IS 5402-2012 (Reaffirmed 2018)
		Enumeration of Escherichia coli and the Coliform Bacteria Test Parameter: E. coli (Pour plate method & MPN method)	Chapter 4, FDA- BAM ,2020
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 1: Isolation, Identification and Enumeration of Escherichia Coli Test Parameter: E. coli	IS 5887 (Part 1) 1976 (Reaffirmed 2022)
		Enumeration of Escherichia coli and the Coliform Bacteria Test Parameter: Coliforms (Pour plate method & MPN method)	Chapter 4, FDA- BAM ,2020
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique Test Parameter: Coliforms	ISO 4832:2006
		Microbiology — general guidance for the enumeration of coliforms part 1 colony count technique	IS 5401-1-2012

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Other specified food items -Raw, cooked Foods & Ready to eat (cont'd.)	Test Parameter: Coliforms	
		Methods for detection of bacteria responsible for food poisoning part 7: General guidance on methods for isolation and identification of shigella	IS 5887 (Part 7) 1999 (Reaffirmed 2022)
		Test Parameter: Shigella	
		Staphylococcus aureus	Chapter 12, FDA- BAM,2016
		Test Parameter: S. aureus (Spread Plate count method)	
		Microbiology of the food chain — Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) — Part 1: Method using Baird-Parker agar medium	ISO 6888-1-2021
Test Parameter: S. aureus (Spread Plate count method)			
Methods for detection of bacteria responsible for food poisoning part ii isolation, identification, and enumeration of staphylococcus aureus and faecal streptococci		IS 5887 (Part 2) 1976	
Test Parameter: S. aureus (Spread Plate count method)			
Methods for Detection of Bacteria Responsible for Food Poisoning, Part 8: Horizontal Method for Enumeration of Coagulase-Positive Staphylococci (Staphylococcus Aureus and other Species), Section 1: Technique Using Baird-Parker Agar Medium		IS 5887(P-8/sec-1) 2002(Reaffirmed 2022)	

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Other specified food items -Raw, cooked Foods & Ready to eat (cont'd.)	Test Parameter: S. aureus (Spread Plate count method)	
		Microbiology of the food chain — Horizontal method for the detection, enumeration and serotyping of Salmonella — Part 1: Detection of Salmonella spp.	ISO 6579-1-2017
		Test Parameter: Salmonella	
		Methods for detection of bacteria responsible for food poisoning part3 general guidance on methods for the detection of salmonella	IS 5887(Part 3) sec-1:2020
		Salmonella	Chapter 5, FDA- BAM 2023
		Test Parameter: Salmonella	
		Detection of Salmonella	2013.01, Chapter 17, AOAC 21 st Edition (Salmonella in a Variety of Foods VIDAS UP Salmonella -SPT Method)
		Yeasts and Molds	Chapter 18, US FDA BAM 2001
		Test Parameter: Yeast and Mould (Spread plate method)	
Method for yeast and mould count of food stuffs and animal feed	IS 5403-1999 (Reaffirmed 2018)		
Test Parameter: Yeast and Mould			
Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of presumptive Bacillus cereus — Colony-count technique at 30 degrees C	ISO 7932:2004		

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Other specified food items -Raw, cooked Foods & Ready to eat (cont'd.)	Test Parameter: Bacillus cereus	
		Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of presumptive bacillus cereus part 6 colony-count technique at 30°C	IS 5887-6 :2012(Reaffirmed 2022)
		Test Parameter: Bacillus cereus	
		Test Parameter: Bacillus cereus	Chapter 14, FDA BAM 2020
		Detection of Listeria monocytogenes in Foods and Environmental Samples, and Enumeration of Listeria monocytogenes in Foods	Chapter 10, FDA- BAM 2022
		Test Parameter: Listeria monocytogenes (Detection)	
		Microbiology of food and feeding stuffs — horizontal method for detection and enumeration of listeria monocytogenes Part 1 Detection method	IS 14988 (Part 1)2020
		Test Parameter: Listeria monocytogenes	
Microbiology of the food chain — Horizontal method for the detection and enumeration of Listeria monocytogenes and of Listeria spp. — Part 1: Detection method	ISO 11290-1 2017		
Test Parameter: Listeria spp / Listeria monocytogenes			
Detection of Listeria monocytogenes	2004.02, Chapter 17 AOAC, 21 st Edition (Listeria monocytogenes in Foods VIDAS Listeria monocytogenes II -LMO2)		
Test Parameter: Listeria monocytogenes			

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Other specified food items -Raw, cooked Foods & Ready to eat (cont'd.)	Methods for detection of bacteria responsible for food poisoning part 4: isolation and identification of <i>Clostridium perfringens</i> (<i>Clostridium welchii</i>) and <i>Clostridium botulinum</i> and enumeration of <i>Clostridium perfringens</i> Test Parameter: <i>Clostridium perfringens</i>	IS 5887(Part 4)1999 (Reaffirmed 2022)
		Microbiology of the food chain – Horizontal method for the detection and enumeration of <i>Clostridium</i> spp. – Part 2: Enumeration of <i>Clostridium perfringens</i> by colony-count technique	ISO 15213-2:2023
		<i>Clostridium perfringens</i> Test Parameter: <i>Clostridium perfringens</i>	Chapter 16, FDA- BAM 2001
		Methods for detection of bacteria responsible for food poisoning part 7: General guidance on methods for isolation and identification of shigella Test Parameter: Shigella	IS 5887 (Part 7) 1999 (Reaffirmed 2022)
		Microbiology of the food chain — Horizontal method for the detection and enumeration of Enterobacteriaceae — Part 1: Detection of Enterobacteriaceae Test Parameter: Enterobacteriaceae	ISO 21528 – 2-2017
		Methods for detection of bacteria responsible for food poisoning, Part 5: Isolation, identification, and enumeration of <i>Vibrio cholerae</i> and <i>Vibrio parahaemolyticus</i>	IS 5887(Part 5)1976(Reaffirmed 2018)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)		Test Parameter: Vibrio cholerae	
		Vibrio	Chapter 09, FDA – BAM
	Beverages – (Alcoholic/Nonalcoholic)	Test Parameter: Vibrio cholerae	
		Aerobic Plate Count	Chapter 3, FDA- BAM 2001
		Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms (Pour plate method)	
		Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique	ISO 4833-1-2014
		Test Parameter - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	
		Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of microorganisms — colony-count technique at 30°C	IS 5402:2012 (Reaffirmed 2018)
Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms			
Enumeration of Escherichia coli and the Coliform Bacteria	Chapter 4, FDA- BAM ,2020		
	Test Parameter: E. coli (Pour plate method)		
Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli — Part 2: Colony-count technique at 44 degrees C using 5-	ISO 16649 – 2 2001		

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Beverages – (Alcoholic/Nonalcoholic) (cont'd)	bromo-4-chloro-3-indolyl beta-D-glucuronide Test Parameter: E. coli	
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 1: Isolation, Identification and Enumeration of Escherichia Coli Test Parameter: E. coli Detection	IS 5887 (Part 1) 1976 (Reaffirmed 2022)
		Enumeration of Escherichia coli and the Coliform Bacteria Test Parameter: Coliforms (Enumeration)	Chapter 4, FDA- BAM ,2020
		Microbiology of food and animal feeding stuffs — Horizontal method for the detection and enumeration of coliforms — Most probable number technique Test Parameter: Coliforms	ISO 4831 :2006
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique Test Parameter: Coliforms	ISO 4832:2006
		Microbiology Of Food And Animal Feeding Stuffs — Horizontal Method For The Detection And Enumeration Of Coliforms Part 2 Most Probable Number Technique Test Parameter: Coliforms (MPN)	IS 5401-2-2012
		Microbiology — general guidance for the enumeration of coliforms	IS 5401-1-2012

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Beverages – (Alcoholic/Nonalcoholic) (cont'd)	part 1 colony count technique	
		Test Parameter: Coliforms	
		Yeasts and Molds	Chapter 18, US FDA BAM 2001
		Test Parameter: Yeast and Mould (Spread plate method)	
		Method for yeast and mould count of food stuffs and animal feed	IS 5403-1999 (Reaffirmed 2018)
		Test Parameter: Yeast and Mould	
		Staphylococcus aureus	Chapter 12, FDA- BAM,2016
		Test Parameter: S. aureus (Spread Plate count method)	
Microbiology of the food chain — Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) — Part 1: Method using Baird-Parker agar medium	ISO 6888-1-2021		
Test Parameter: S. aureus (Spread Plate count method)			
Methods for detection of bacteria responsible for food poisoning part ii isolation, identification, and enumeration of staphylococcus aureus and faecal streptococci	IS 5887 (Part 2) 1976(Reaffirmed 2022)		
Test Parameter: S. aureus (Spread Plate count method)			
Methods for Detection of Bacteria Responsible for Food Poisoning, Part 8: Horizontal Method for Enumeration of Coagulase-	IS 5887(P-8/sec-1) 2002(Reaffirmed 2022)		

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Beverages – (Alcoholic/Nonalcoholic) (cont'd)	Positive Staphylococci (Staphylococcus Aureus and other Species), Section 1: Technique Using Baird-Parker Agar Medium Test Parameter: S. aureus (Spread Plate count method)	
		Microbiology of the food chain — Horizontal method for the detection, enumeration and serotyping of Salmonella — Part 1: Detection of Salmonella spp. Test Parameter: Salmonella	ISO 6579-1-2017
		Methods for detection of bacteria responsible for food poisoning part3 general guidance on methods for the detection of salmonella Test Parameter: Salmonella	IS 5887(Part 3) sec-1: 2020
		Detection of Salmonella Test Parameter: Salmonella	Chapter 5, FDA- BAM 2023
		Detection of Salmonella Rapid analysis Test Parameter: Salmonella	2013.01, Chapter 17, AOAC 21 st Edition (Salmonella in a Variety of Foods VIDAS UP Salmonella -SPT Method)
		Shigella Test Parameter: Shigella	Chapter 6, FDA- BAM 2023
		Methods for detection of bacteria responsible for food poisoning part 7: General guidance on methods for isolation and identification of shigella Test Parameter: Shigella	IS 5887 (Part 7) 1999(Reaffirmed 2022)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Beverages – (Alcoholic/Nonalcoholic) (cont'd)	Detection of <i>Listeria monocytogenes</i> in Foods and Environmental Samples, and Enumeration of <i>Listeria monocytogenes</i> in Foods Test Parameter: <i>Listeria monocytogenes</i> (Detection)	Chapter 10, FDA- BAM 2020
		Microbiology of food and feeding stuffs — horizontal method for detection and enumeration of <i>Listeria monocytogenes</i> Part 1 Detection method Test Parameter: <i>Listeria monocytogenes</i>	IS 14988 (Part 1)2020
		Microbiology of the food chain — Horizontal method for the detection and enumeration of <i>Listeria monocytogenes</i> and of <i>Listeria</i> spp. — Part 1: Detection method Test Parameter: <i>Listeria</i> spp / <i>Listeria monocytogenes</i>	ISO 11290-1 2017
		Detection of <i>Listeria</i> Test Parameter: <i>Listeria monocytogenes</i>	2004.02, Chapter 17 AOAC, 21 st Edition (<i>Listeria monocytogenes</i> in Foods VIDAS <i>Listeria monocytogenes</i> II -LMO2)
		Methods for detection of bacteria responsible for food poisoning, Part 5: Isolation, identification, and enumeration of <i>Vibrio cholerae</i> and <i>Vibrio parahaemolyticus</i> Test Parameter: <i>Vibrio cholerae</i>	IS 5887(Part 5)1976 (Reaffirmed 2018)
		<i>Bacillus cereus</i> Test Parameter: <i>Bacillus cereus</i>	Chapter 14, US FDA BAM

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Beverages – (Alcoholic/Nonalcoholic) (cont'd)	Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of presumptive <i>Bacillus cereus</i> — Colony-count technique at 30 degrees C Test Parameter: <i>Bacillus cereus</i>	ISO 7932 2004
		Aciduric Flat sour Spore formers Test Parameter: Aciduric Flat sour spore formers	Chapter 25.61, 25.62, 25.63 & APHA 5th Edition 2015
		Method of sampling & Test for Processed Fruits & Vegetables Products - Test Parameter: Incubation Test @37 deg for 10 days Test Parameter: Incubation Test @55 deg for 7 days	IS 2860 1964 (Reaffirmed 2018)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

TUV SUD SOUTH ASIA PVT LTD

www.tuvsud.com/in

Contact Name PEDADA RAO

Contact Phone +91 9492757421

Accredited to ISO/IEC 17025:2017

Effective Date April 30, 2024

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Cereals, Pulses & Cereals Products	Aerobic Plate Count Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms (Pour plate method)	Chapter 3, FDA- BAM 2001
		Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique Test Parameter - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	ISO 4833-1-2013
		Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of microorganisms — colony-count technique at 30°C Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	IS 5402: 2012(Reaffirmed 2018)
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli — Part 2: Colony-count technique at 44 degrees C using 5-bromo-4-chloro-3-indolyl beta-D-glucuronide	ISO 16649 – 2 2001

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Cereals, Pulses & Cereals Products (cont'd.)	Test Parameter: E. coli	
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 1: Isolation, Identification and Enumeration of Escherichia Coli	IS 5887 (Part 1) 1976(Reaffirmed 2022)
		Test Parameter: E. coli (Detection)	
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique	ISO 4832:2006
		Microbiology Of Food And Animal Feeding Stuffs — Horizontal Method For The Detection And Enumeration Of Coliforms Part 2 Most Probable Number Technique	IS 5401-2-2012 (Reaffirmed 2022)
		Test Parameter: Coliforms (Detection)	
		Microbiology — general guidance for the enumeration of coliforms part 1 colony count technique	IS 5401-1-2012 (Reaffirmed 2022)
		Test Parameter: Coliforms	
		Staphylococcus aureus	Chapter 12, FDA- BAM,2016
		Test Parameter: S. aureus	
		Microbiology of the food chain — Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) — Part 1: Method using Baird-Parker agar medium	ISO 6888-1-2021

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Cereals, Pulses & Cereals Products (cont'd.)	Test Parameter: S. aureus (Spread Plate count method)	
		Methods for detection of bacteria responsible for food poisoning part ii isolation, identification, and enumeration of staphylococcus aureus and faecal streptococci Test Parameter: S. aureus (Spread Plate count method)	IS 5887 (Part 2) 1976 (Reaffirmed 2022)
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 8: Horizontal Method for Enumeration of Coagulase-Positive Staphylococci (Staphylococcus Aureus and other Species), Section 1: Technique Using Baird-Parker Agar Medium Test Parameter: S. aureus (Spread Plate count method)	IS 5887(P-8/sec-1) 2002(Reaffirmed 2022)
		Microbiology of the food chain — Horizontal method for the detection, enumeration and serotyping of Salmonella — Part 1: Detection of Salmonella spp. Test Parameter: Salmonella	ISO 6579-1-2017
		Methods for detection of bacteria responsible for food poisoning part3 general guidance on methods for the detection of salmonella Test Parameter: Salmonella	IS 5887(Part 3) sec-1:2020

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Cereals, Pulses & Cereals Products (cont'd.)	Salmonella Test Parameter: Salmonella	Chapter 5, FDA- BAM 2023
		Detection of Salmonella Test Parameter: Salmonella	2013.01, Chapter 17, AOAC 21 st Edition (Salmonella in a Variety of Foods VIDAS UP Salmonella -SPT Method)
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 2: Colony count technique in products with water activity less than or equal to 0,95 Test Parameter: Yeast and Mould	ISO 21527-2:2008
		Method for yeast and mould count of food stuffs and animal feed Test Parameter: Yeast and Mould	IS 5403-1999 (Reaffirmed 2018)
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of presumptive Bacillus cereus — Colony-count technique at 30 degrees C Test Parameter: Bacillus cereus	ISO 7932:2004
		Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of presumptive bacillus cereus part 6 colony-count technique at 30°C Test Parameter: Bacillus cereus	IS 5887-6 :2012(Reaffirmed 2022)
		Shigella Test Parameter: Shigella	Chapter 6, FDA- BAM

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Cereals, Pulses & Cereals Products (cont'd.)	Methods for detection of bacteria responsible for food poisoning part 7: General guidance on methods for isolation and identification of shigella Test Parameter: Shigella	IS 5887 (Part 7) 1999(Reaffirmed 2022)
		Microbiology of the food chain — Horizontal method for the detection and enumeration of Enterobacteriaceae — Part 1: Detection of Enterobacteriaceae Test Parameter: Enterobacteriaceae	ISO 21528 – 2-2017
		Methods for detection of bacteria responsible for food poisoning part ii isolation, identification, and enumeration of staphylococcus aureus and faecal streptococci Test Parameter: faecal streptococci	IS 5887 (Part 2)1976(Reaffirmed 2022)
		Methods for detection of bacteria responsible for food poisoning, Part 5: Isolation, identification, and enumeration of Vibrio cholerae and Vibrio paraheamolyticus Test Parameter: Vibrio cholerae	IS 5887(Part 5) 1976(Reaffirmed 2018)
		Methods for detection of bacteria responsible for food poisoning, Part 5: Isolation, identification, and enumeration of Vibrio cholerae and Vibrio parahaemolyticus Test Parameter: Vibrio parahaemolyticus	IS 5887(Part 5) 1976(Reaffirmed 2018)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Fruits & Fruits Products	Aerobic Plate Count Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms (Pour plate method)	Chapter 3, FDA- BAM 2001
		Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique Test Parameter - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	ISO 4833-1-2014
		Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of microorganisms — colony-count technique at 30 °C Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	IS 5402:2012(Reaffirmed 2018)
		Enumeration of Escherichia coli and the Coliform Bacteria Test Parameter: E. coli (Enumeration)	Chapter 4, FDA- BAM ,2020
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli — Part 2: Colony-count technique at 44 degrees C using 5-bromo-4-chloro-3-indolyl beta-D-glucuronide Test Parameter: E. coli	ISO 16649 – 2 2001

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Fruits & Fruits Products (cont'd.)	Methods for Detection of Bacteria Responsible for Food Poisoning, Part 1: Isolation, Identification and Enumeration of Escherichia Coli Test Parameter: E. coli (Detection)	IS 5887 (Part 1) 1976(Reaffirmed 2022)
		Enumeration of Escherichia coli and the Coliform Bacteria Test Parameter: Coliforms - Enumeration	Chapter 4, FDA- BAM ,2020
		Microbiology of food and animal feeding stuffs — Horizontal method for the detection and enumeration of coliforms — Most probable number technique Test Parameter: Coliforms (Detection)	ISO 4831 :2006
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique Test Parameter: Coliforms	ISO 4832:2006
		Microbiology Of Food And Animal Feeding Stuffs — Horizontal Method For The Detection And Enumeration Of Coliforms Part 2 Most Probable Number Technique Test Parameter: Coliforms	IS 5401-2-2012
		Microbiology — general guidance for the enumeration of coliforms part 1 colony count technique Test Parameter: Coliforms	IS 5401-1-2012
		Methods for detection of bacteria responsible for	IS 5887 (Part 7) 1999 (Reaffirmed 2022)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Fruits & Fruits Products (cont'd.)	food poisoning part 7: General guidance on methods for isolation and identification of shigella Test Parameter: Shigella	
		Staphylococcus aureus Test Parameter: S. aureus	Chapter 12, FDA- BAM,2016
		Microbiology of the food chain — Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) — Part 1: Method using Baird-Parker agar medium Test Parameter: S. aureus	ISO 6888-1-2021
		Methods for detection of bacteria responsible for food poisoning part ii isolation, identification, and enumeration of staphylococcus aureus and faecal streptococci Test Parameter: S. aureus	IS 5887 (Part 2) 1976 (Reaffirmed 2022)
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 8: Horizontal Method for Enumeration of Coagulase-Positive Staphylococci (Staphylococcus Aureus and other Species), Section 1: Technique Using Baird-Parker Agar Medium Test Parameter: S. aureus	IS 5887(P-8/sec-1) 2002(Reaffirmed 2022)
		Methods for detection of bacteria responsible for food poisoning part3 general guidance on methods for the detection of salmonella Test Parameter: Salmonella	IS 5887(Part 3) SEC-1- 2020

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Fruits & Fruits Products (cont'd.)	Salmonella Test Parameter: Salmonella	Chapter 5, FDA- BAM 2023
		Detection of Salmonella Test Parameter: Salmonella	2013.01, Chapter 17, AOAC 21 st Edition (Salmonella in a Variety of Foods VIDAS UP Salmonella -SPT Method)
		Yeasts and Molds Test Parameter: Yeast and Mould (Spread plate method)	Chapter 18, US FDA BAM 2001
		Method for yeast and mould count of food stuffs and animal feed Test Parameter: Yeast and Mould	IS 5403-1999 (Reaffirmed 2018)
		Detection of Listeria monocytogenes in Foods and Environmental Samples, and Enumeration of Listeria monocytogenes in Foods Test Parameter: Listeria monocytogenes	Chapter 10, FDA- BAM 2020
		Microbiology of food and feeding stuffs — horizontal method for detection and enumeration of listeria monocytogenes Part 1 Detection method Test Parameter: Listeria monocytogenes	IS 14988 (Part 1)2020
		Detection of Listeria monocytogenes Test Parameter: Listeria monocytogenes	2004.02, Chapter 17 AOAC, 21 st Edition (Listeria monocytogenes in Foods VIDAS Listeria monocytogenes II -LMO2)
		Bacillus cereus Test Parameter: Bacillus cereus	Chapter 14, US FDA BAM
		Microbiology of food and animal feeding stuffs —	IS 5887-6-2012(Reaffirmed 2022)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Fruits & Fruits Products (cont'd.)	horizontal method for the enumeration of presumptive bacillus cereus part 6 colony-count technique at 30 °C	
		Test Parameter: Bacillus cereus	
		Methods for detection of bacteria responsible for food poisoning part 4: isolation and identification of Clostridium perfringens (Clostridium welchii) and Clostridium botulinum and enumeration of Clostridium perfringens	IS 5887(Part 4)1999 (Reaffirmed 2022)
		Test Parameter: Clostridium perfringens	
		Microbiology of the food chain – Horizontal method for the detection and enumeration of Clostridium spp. – Part 2: Enumeration of Clostridium perfringens by colony-count technique	ISO 15213-2:2023
		Clostridium perfringens Test Parameter: Clostridium perfringens (Enumeration)	Chapter 16, FDA- BAM 2001
Methods for detection of bacteria responsible for food poisoning part 7: General guidance on methods for isolation and identification of shigella Test Parameter: Shigella	IS 5887 (Part 7) 1999(Reaffirmed 2022)		
Microbiology of the food chain — Horizontal method for the detection and enumeration of Enterobacteriaceae — Part 1: Detection of Enterobacteriaceae	ISO 21528 – 2-2017		

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Fruits & Fruits Products (cont'd.)	Test Parameter: Enterobacteriaceae	
		Methods for detection of bacteria responsible for food poisoning, Part 5: Isolation, identification, and enumeration of <i>Vibrio cholerae</i> and <i>Vibrio parahaemolyticus</i>	IS 5887(Part 5) 1976 (Reaffirmed 2018)
		Test Parameter: <i>Vibrio cholerae</i>	
		Test Parameter: <i>Vibrio cholerae</i>	Chapter 9 FDA BAM 2004
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of Lactic acid bacteria colony count technique @ 30 degree	ISO 15214:1998
		Test Parameter: Lactic acid bacteria	
		Aciduric Flat sour Spore formers	Chapter 25.61, 25.62 & 25.63 APHA 5th Edition 2015
	Test Parameter: Aciduric Flat sour spore formers		
	Method of sampling & Test for Processed Fruits & Vegetables Products -	IS 2860 1964 (Reaffirmed 2018)	
	Test Parameter: Incubation Test @37 deg for 10 days Test Parameter: Incubation Test @55 deg for 7 days		
Herbs, Spices & Condiments		Aerobic Plate Count	Chapter 3, FDA- BAM 2001
		Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms (Pour plate method)	
		Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1:	ISO 4833-1-2014

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Herbs, Spices & Condiments (cont'd.)	Colony count at 30 °C by the pour plate technique Test Parameter - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	
		Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of microorganisms — colony-count technique at 30 °C Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	IS 5402:2012(Reaffirmed 2018)
		Enumeration of Escherichia coli and the Coliform Bacteria Test Parameter: E. coli (Enumeration)	Chapter 4, FDA- BAM ,2020
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli — Part 2: Colony-count technique at 44 degrees C using 5-bromo-4-chloro-3-indolyl beta-D-glucuronide Test Parameter: E. coli	ISO 16649 – 2 2001
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 1: Isolation, Identification and Enumeration of Escherichia Coli Test Parameter: E. coli (Detection)	IS 5887 (Part 1) 1976(Reaffirmed 2022)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Herbs, Spices & Condiments (cont'd.)	Enumeration of Escherichia coli and the Coliform Bacteria Test Parameter: Coliforms (Enumeration)	Chapter 4, FDA- BAM ,2020
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique Test Parameter: Coliforms	ISO 4832:2006
		Microbiology — general guidance for the enumeration of coliforms part 1 colony count technique Test Parameter: Coliforms	IS 5401-1-2012
		Methods for detection of bacteria responsible for food poisoning part 7: General guidance on methods for isolation and identification of shigella Test Parameter: Shigella	IS 5887 (Part 7) 1999(Reaffirmed 2022)
		Staphylococcus aureus Test Parameter: S. aureus	Chapter 12, FDA- BAM,2016
		Microbiology of the food chain — Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) — Part 1: Method using Baird-Parker agar medium Test Parameter: S. aureus	ISO 6888-1-2021
		Methods for detection of bacteria responsible for food poisoning part ii isolation, identification, and enumeration of	IS 5887 (Part 2) 1976(Reaffirmed 2022)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Herbs, Spices & Condiments (cont'd.)	staphylococcus aureus and faecal streptococci Test Parameter: S. aureus	
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 8: Horizontal Method for Enumeration of Coagulase-Positive Staphylococci (Staphylococcus Aureus and other Species), Section 1: Technique Using Baird-Parker Agar Medium Test Parameter: S. aureus	IS 5887(P-8/sec-1) 2002(Reaffirmed 2022)
		Methods for detection of bacteria responsible for food poisoning part3 general guidance on methods for the detection of salmonella Test Parameter: Salmonella	IS 5887(Part 3) SEC-1- 2020
		Salmonella Test Parameter: Salmonella	Chapter 5, FDA- BAM 2023
		Detection of Salmonella Test Parameter: Salmonella	2013.01, Chapter 17, AOAC 21 st Edition (Salmonella in a Variety of Foods VIDAS UP Salmonella -SPT Method)
		Microbiology of the food chain — Horizontal method for the detection, enumeration and serotyping of Salmonella — Part 1: Detection of Salmonella spp. Test Parameter: Salmonella	ISO 6579-1-2017
		Yeasts and Molds Test Parameter: Yeast and Mould (Spread plate method)	Chapter 18, US FDA BAM 2001

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Herbs, Spices & Condiments (cont'd.)	Method for yeast and mould count of food stuffs and animal feed Test Parameter: Yeast and Mould	IS 5403-1999 (Reaffirmed 2018)
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 2: Colony count technique in products with water activity less than or equal to 0,95 Test Parameter: Yeast and Mould	ISO 21527-2-2008
		Detection of Listeria monocytogenes in Foods and Environmental Samples, and Enumeration of Listeria monocytogenes in Foods Test Parameter: Listeria monocytogenes (Detection)	Chapter 10, FDA- BAM 2020
		Microbiology of food and feeding stuffs — horizontal method for detection and enumeration of listeria monocytogenes Part 1 Detection method Test Parameter: Listeria monocytogenes	IS 14988 (Part 1)2020
		Detection of Listeria monocytogenes Test Parameter: Listeria monocytogenes	2004.02, Chapter 17 AOAC, 21 st Edition (Listeria monocytogenes in Foods VIDAS Listeria monocytogenes II -LMO2)
		Bacillus cereus Test Parameter: Bacillus cereus	Chapter 14, US FDA BAM
		Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of presumptive bacillus	IS 5887-6-2012(Reaffirmed 2022)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Herbs, Spices & Condiments (cont'd.)	cereus part 6 colony-count technique at 30 °C	
		Test Parameter: <i>Bacillus cereus</i>	
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of presumptive <i>Bacillus cereus</i> — Colony-count technique at 30 degrees C	ISO 7932 2004
		Test Parameter: <i>Bacillus cereus</i>	
		Methods for detection of bacteria responsible for food poisoning part 4: isolation and identification of <i>Clostridium perfringens</i> (<i>Clostridium welchii</i>) and <i>Clostridium botulinum</i> and enumeration of <i>Clostridium perfringens</i>	IS 5887(Part 4)1999 (Reaffirmed 2022)
		Test Parameter: <i>Clostridium perfringens</i>	
		Microbiology of the food chain – Horizontal method for the detection and enumeration of <i>Clostridium</i> spp. – Part 2: Enumeration of <i>Clostridium perfringens</i> by colony-count technique	ISO 15213-2:2023
		Clostridium perfringens	Chapter 16, FDA- BAM 2001
		Test Parameter: <i>Clostridium perfringens</i>	
		Methods for detection of bacteria responsible for food poisoning part 7: General guidance on methods for isolation and identification of shigella	IS 5887 (Part 7) 1999(Reaffirmed 2022)
		Test Parameter: <i>Shigella</i>	

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Milk & Dairy Products	Aerobic Plate Count Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms (Pour plate method)	Chapter 3, FDA- BAM 2001
		Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique Test Parameter - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	ISO 4833-1-2013
		Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of microorganisms — colony-count technique at 30 °C Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	IS 5402:2012 (Reaffirmed 2018)
		Enumeration of Escherichia coli and the Coliform Bacteria Test Parameter: E. coli (Pour plate method & MPN method)	Chapter 4, FDA- BAM ,2020
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli — Part 2: Colony-count technique at 44 degrees C using 5-bromo-4-chloro-3-indolyl beta-D-glucuronide Test Parameter: E. coli	ISO 16649 – 2 2001

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Milk & Dairy Products (cont'd.)	Microbiology of the food chain — Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli — Part 3: Detection and most probable number technique using 5-bromo-4-chloro-3-indolyl-β-D-glucuronide Test Parameter: E. coli	ISO 16649-3-2015
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 1: Isolation, Identification and Enumeration of Escherichia Coli Test Parameter: E. coli (Detection)	IS 5887 (Part 1) 1976(Reaffirmed 2022)
		Enumeration of Escherichia coli and the Coliform Bacteria Test Parameter: Coliforms (Pour plate method & MPN method)	Chapter 4, FDA- BAM ,2020
		Microbiology of food and animal feeding stuffs — Horizontal method for the detection and enumeration of coliforms — Most probable number technique Test Parameter: Coliforms	ISO 4831 :2006
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique Test Parameter: Coliforms	ISO 4832:2006
		Microbiology Of Food And Animal Feeding Stuffs — Horizontal Method For The Detection And Enumeration Of Coliforms Part 2 Most Probable Number Technique	IS 5401-2-2012

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Milk & Dairy Products (cont'd.)	Test Parameter: Coliforms	
		Microbiology — general guidance for the enumeration of coliforms part 1 colony count technique	IS 5401-1-2012(Reaffirmed 2018)
		Test Parameter: Coliforms	
		Staphylococcus aureus	Chapter 12, FDA- BAM,2016
		Test Parameter: S. aureus	
		Microbiology of the food chain — Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) — Part 1: Method using Baird-Parker agar medium	ISO 6888-1-2021
		Test Parameter: S. aureus	
		Methods for detection of bacteria responsible for food poisoning part ii isolation, identification, and enumeration of staphylococcus aureus and faecal streptococci Test Parameter: S. aureus	IS 5887 (Part 2) 1976(Reaffirmed 2022)
Methods for Detection of Bacteria Responsible for Food Poisoning, Part 8: Horizontal Method for Enumeration of Coagulase-Positive Staphylococci (Staphylococcus Aureus and other Species), Section 1: Technique Using Baird-Parker Agar Medium Test Parameter: S. aureus	IS 5887(P-8/sec-1) 2002(Reaffirmed 2022)		
Microbiology of the food chain — Horizontal method for the detection, enumeration and serotyping of Salmonella — Part 1: Detection of Salmonella spp.	ISO 6579-1-2017		

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Milk & Dairy Products (cont'd.)	Test Parameter: Salmonella	
		Methods for detection of bacteria responsible for food poisoning part 3 general guidance on methods for the detection of salmonella Test Parameter: Salmonella	IS 5887(Part 3) sec-1-2020
		Salmonella Test Parameter: Salmonella	Chapter 5, FDA- BAM 2023
		Detection of Salmonella Test Parameter: Salmonella	2013.01, Chapter 17, AOAC 21 st Edition (Salmonella in a Variety of Foods VIDAS UP Salmonella -SPT Method)
		Yeasts and Molds Test Parameter: Yeast and Mould (Spread plate method)	Chapter 18, US FDA BAM 2001
		Method for yeast and mould count of food stuffs and animal feed Test Parameter: Yeast and Mould	IS 5403-1999 (Reaffirmed 2018)
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 2: Colony count technique in products with water activity less than or equal to 0,95 Test Parameter: Yeast and Mould	ISO 21527-2-2008
		Bacillus cereus Test Parameter: Bacillus cereus	Chapter 14, US FDA BAM
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of presumptive Bacillus	ISO 7932 2004

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Milk & Dairy Products (cont'd.)	cereus — Colony-count technique at 30 degrees C Test Parameter: Bacillus cereus	
		Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of presumptive bacillus cereus part 6 colony-count technique at 30 °C Test Parameter: Bacillus cereus	IS 5887-6-2012 (Reaffirmed 2022)
		Detection of Listeria monocytogenes in Foods and Environmental Samples, and Enumeration of Listeria monocytogenes in Foods Test Parameter: Listeria monocytogenes	Chapter 10, FDA- BAM 2020
		Microbiology of food and feeding stuffs — horizontal method for detection and enumeration of listeria monocytogenes Part 1 Detection method Test Parameter: Listeria monocytogenes	IS 14988 (Part 1)2020
		Microbiology of the food chain — Horizontal method for the detection and enumeration of Listeria monocytogenes and of Listeria spp. — Part 1: Detection method Test Parameter: Listeria spp / Listeria monocytogenes	ISO 11290-1 2017
		Detection of Listeria Test Parameter: Listeria monocytogenes	2004.02, Chapter 17 AOAC, 21 st Edition (Listeria monocytogenes in Foods)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Milk & Dairy Products (cont'd.)		VIDAS Listeria monocytogenes II -LMO2)
		Methods for detection of bacteria responsible for food poisoning part 4: isolation and identification of <i>Clostridium perfringens</i> (<i>Clostridium welchii</i>) and <i>Clostridium botulinum</i> and enumeration of <i>Clostridium perfringens</i> Test Parameter: <i>Clostridium perfringens</i> (Enumeration & Detection)	IS 5887(Part 4)1999 (Reaffirmed 2022)
		Microbiology of the food chain – Horizontal method for the detection and enumeration of <i>Clostridium</i> spp. – Part 2: Enumeration of <i>Clostridium perfringens</i> by colony-count technique	ISO 15213-2:2023
		<i>Clostridium perfringens</i> Test Parameter: <i>Clostridium perfringens</i>	Chapter 16, FDA- BAM 2001
		Methods for detection of bacteria responsible for food poisoning part 7: General guidance on methods for isolation and identification of shigella Test Parameter: Shigella	IS 5887 (Part 7) 1999(Reaffirmed 2022)
		Microbiology of the food chain — Horizontal method for the detection and enumeration of Enterobacteriaceae — Part 1: Detection of Enterobacteriaceae Test Parameter: Enterobacteriaceae	ISO 21528 – 2-2017
		Methods for detection of bacteria responsible for food poisoning, Part 5: Isolation, identification, and enumeration of <i>Vibrio</i>	IS 5887(Part 5)1976(Reaffirmed 2018)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural products (cont'd.)	Milk & Dairy Products (cont'd.)	Cholerae and Vibrio Parahaemolyticus Test Parameter: Vibrio cholerae	
		Microbiology of the food chain — Horizontal method for the determination of Vibrio spp. — Part 1: Detection of potentially enteropathogenic Vibrio parahaemolyticus, Vibrio cholerae and Vibrio vulnificus Test Parameter: Vibrio cholerae	ISO 21872-1-2017
		Test Parameter: Lactic acid bacteria	IS 12899: 1989 (Reaffirmed 2018)
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of sulfite-reducing bacteria growing under anaerobic conditions Test Parameter: Sulphite reducing clostridia spp	ISO 15213: P-1 2023
		Methods for detection of bacteria responsible for food poisoning part ii isolation, identification, and enumeration of staphylococcus aureus and faecal streptococci Test Parameter: faecal streptococci (Detection)	IS 5887 (Part 2) 1976 (Reaffirmed 2018)
		Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of Bacterial Spore Count Test Parameter: Bacterial Spore Count	IS 12176:1987 (Reaffirmed 2013)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

TUV SUD SOUTH ASIA PVT LTD

www.tuvsud.com/in

Contact Name PEDADA RAO

Contact Phone +91 9492757421

Accredited to ISO/IEC 17025:2017

Effective Date April 30, 2024

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural Products (cont'd.)	Bakery & Confectionary Products	Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique Test Parameter - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	ISO 4833-1-2013
		Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of microorganisms — colony-count technique at 30 °C Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	IS 5402 ;2012 (Reaffirmed 2018)
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli — Part 2: Colony-count technique at 44 degrees C using 5-bromo-4-chloro-3-indolyl beta-D-glucuronide Test Parameter: E. coli	ISO 16649 – 2 2001

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural Products (cont'd.)	Bakery & Confectionary Products (cont'd.)	Methods for Detection of Bacteria Responsible for Food Poisoning, Part 1: Isolation, Identification and Enumeration of Escherichia Coli Test Parameter: E. coli (Detection)	IS 5887 (Part 1) 1976 (Reaffirmed 2022)
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique Test Parameter: Coliforms	ISO 4832:2006
		Microbiology — general guidance for the enumeration of coliforms part 1 colony count technique Test Parameter: Coliforms	IS 5401-1-2012
		Microbiology of the food chain — Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) — Part 1: Method using Baird-Parker agar medium Test Parameter: S. aureus	ISO 6888-1-2021
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 8: Horizontal Method for Enumeration of Coagulase-Positive Staphylococci (Staphylococcus Aureus and other Species), Section 1: Technique Using Baird-Parker Agar Medium Test Parameter: S. aureus	IS 5887(P-8/sec-1) 2002 (Reaffirmed 2022)
		Microbiology of the food chain — Horizontal method	ISO 6579-1-2017

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural Products (cont'd.)	Bakery & Confectionary Products (cont'd.)	for the detection, enumeration and serotyping of Salmonella — Part 1: Detection of Salmonella spp. Test Parameter: Salmonella	
		Methods for detection of bacteria responsible for food poisoning part3 general guidance on methods for the detection of salmonella Test Parameter: Salmonella	IS 5887(Part 3) Sec 1 2020
		Detection of Salmonella Test Parameter: Salmonella	2013.01, Chapter 17, AOAC 21 st Edition (Salmonella in a Variety of Foods VIDAS UP Salmonella -SPT Method)
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and molds — Part 2: Colony count technique in products with water activity less than or equal to 0,95 Test Parameter: Yeast and Mould	ISO 21527-2-2017
		Method for yeast and mould count of food stuffs and animal feed Test Parameter: Yeast and Mould	IS 5403-1999 (Reaffirmed 2018)
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of presumptive Bacillus cereus — Colony-count technique at 30 degrees C	ISO 7932 2004

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural Products (cont'd.)	Bakery & Confectionary Products (cont'd.)	Test Parameter: Bacillus cereus	IS 5887-6- 2012 (Reaffirmed 2018)
		Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of presumptive bacillus cereus part 6 colony-count technique at 30 °C	
		Test Parameter: Bacillus cereus	
	Microbiology of food and feeding stuffs — horizontal method for detection and enumeration of listeria monocytogenes Part 1 Detection method	IS 14988 (Part 1)2020	
	Microbiology of the food chain — Horizontal method for the detection and enumeration of Listeria monocytogenes and of Listeria spp. — Part 1: Detection method	ISO 11290-1 2017	
Test Parameter: Listeria spp / Listeria monocytogenes			
		Detection of Listeria monocytogenes	2004.02, Chapter 17 AOAC, 21 st Edition (Listeria monocytogenes in Foods VIDAS Listeria monocytogenes II -LMO2)
		Test Parameter: Listeria monocytogenes	
	Nuts & Nuts Products	Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique	ISO 4833-1-2013
		Test Parameter - Aerobic plate count /Total plate	

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural Products (cont'd.)	Nuts & Nuts Products (cont'd.)	count/Mesophilic aerobic microorganisms	
		Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of microorganisms — colony-count technique at 30 °C Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	IS 5402:2012 (Reaffirmed 2018)
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli — Part 2: Colony-count technique at 44 degrees C using 5-bromo-4-chloro-3-indolyl beta-D-glucuronide Test Parameter: E. coli	ISO 16649 – 2 2001
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 1: Isolation, Identification and Enumeration of Escherichia Coli Test Parameter: E. coli (Detection)	IS 5887 (Part 1) 1976 (Reaffirmed 2022)
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique Test Parameter: Coliforms	ISO 4832:2006
		Microbiology — general guidance for the enumeration of coliforms part 1 colony count technique	IS 5401-1-2012

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural Products (cont'd.)	Nuts & Nuts Products (cont'd.)	Test Parameter: Coliforms	
		Microbiology of the food chain — Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) — Part 1: Method using Baird-Parker agar medium Test Parameter: S. aureus	ISO 6888-1-2021
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 8: Horizontal Method for Enumeration of Coagulase-Positive Staphylococci (Staphylococcus Aureus and other Species), Section 1: Technique Using Baird-Parker Agar Medium Test Parameter: S. aureus	IS 5887(P-8/sec-1) 2002 (Reaffirmed 2022)
		Microbiology of the food chain — Horizontal method for the detection, enumeration and serotyping of Salmonella — Part 1: Detection of Salmonella spp. Test Parameter: Salmonella	ISO 6579-1-2017
		Methods for detection of bacteria responsible for food poisoning part3 general guidance on methods for the detection of salmonella Test Parameter: Salmonella	IS 5887(Part 3) sec-1:2020
Detection of Salmonella	2013.01, Chapter 17, AOAC 21 st Edition (Salmonella in a		

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural Products (cont'd.)	Nuts & Nuts Products (cont'd.)	Test Parameter: Salmonella	Variety of Foods VIDAS UP Salmonella -SPT Method)
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and molds — Part 2: Colony count technique in products with water activity less than or equal to 0,95 Test Parameter: Yeast and Mould	ISO 21527-2-2017
		Method for yeast and mould count of food stuffs and animal feed Test Parameter: Yeast and Mould	IS 5403-1999 (Reaffirmed 2018)
		Detection of Listeria monocytogenes in Foods and Environmental Samples, and Enumeration of Listeria monocytogenes in Foods Test Parameter: Listeria monocytogenes (Detection)	Chapter 10, FDA- BAM 2020
		Microbiology of food and feeding stuffs — horizontal method for detection and enumeration of listeria monocytogenes Part 1 Detection method Test Parameter: Listeria monocytogenes	IS 14988 (Part 1)2020
		Microbiology of the food chain — Horizontal method for the detection and enumeration of Listeria monocytogenes and of Listeria spp. — Part 1: Detection method	ISO 11290-1 2017

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural Products (cont'd.)	Nuts & Nuts Products (cont'd.)	Test Parameter: Listeria spp / Listeria monocytogenes	
		Detection of Listeria monocytogenes Test Parameter: Listeria monocytogenes	2004.02, Chapter 17 AOAC, 21 st Edition (Listeria monocytogenes in Foods VIDAS Listeria monocytogenes II -LMO2)
		Methods for detection of bacteria responsible for food poisoning part 4: isolation and identification of Clostridium perfringens (Clostridium welchii) and Clostridium botulinum and enumeration of Clostridium perfringens Test Parameter: Clostridium perfringens (Enumeration & Detection)	IS 5887(Part 4)1999 (Reaffirmed 2022)
		Microbiology of the food chain – Horizontal method for the detection and enumeration of Clostridium spp. – Part 2: Enumeration of Clostridium perfringens by colony-count technique	ISO 15213-2:2023
		Methods for detection of bacteria responsible for food poisoning part 7: General guidance on methods for isolation and identification of shigella Test Parameter: Shigella	IS 5887 (Part 7) 1999(Reaffirmed 2022)
		Methods for detection of bacteria responsible for food poisoning, Part 5: Isolation, identification, and enumeration of Vibrio cholerae and Vibrio paraheamolyticus	IS 5887(Part 5)1976 (Reaffirmed 2018)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Food & Agricultural Products (cont'd.)	Nuts & Nuts Products (cont'd.)	Test Parameter: Vibrio cholerae	
		Microbiology of the food chain — Horizontal method for the determination of Vibrio spp. — Part 1: Detection of potentially enteropathogenic Vibrio parahaemolyticus, Vibrio cholerae and Vibrio vulnificus Test Parameter: Vibrio cholerae	ISO 21872-1-2017
Biological: Animal Food & Feed	Animal feeds	Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique Test Parameter - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	ISO 4833-1-2013
		Microbiology of food and animal feeding stuffs — horizontal method for the enumeration of microorganisms — colony-count technique at 30 °C Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	IS 5402: 2012 (Reaffirmed 2018)
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli — Part 2: Colony-count technique at 44 degrees C using 5-bromo-4-chloro-3-indolyl beta-D-glucuronide Test Parameter: E. coli	ISO 16649 – 2 2001

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Animal Food & Feed (cont'd.)	Animal feeds (cont'd.)	Microbiology of the food chain — Horizontal method for the enumeration of beta-glucuronidase-positive Escherichia coli — Part 3: Detection and most probable number technique using 5-bromo-4-chloro-3-indolyl-β-D-glucuronide Test Parameter: E. coli	ISO 16649-3-2015
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 1: Isolation, Identification and Enumeration of Escherichia Coli Test Parameter: E. coli	IS 5887 (Part 1) 1976 (Reaffirmed 2022)
		Enumeration of Escherichia coli and the Coliform Bacteria Test Parameter: Coliforms	Chapter 4, FDA- BAM, 2020
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique Test Parameter: Coliforms	ISO 4832:2006
		Microbiology — general guidance for the enumeration of coliforms part 1 colony count technique Test Parameter: Coliforms	IS 5401-1-2012 (Reaffirmed 2018)
		Methods for detection of bacteria responsible for food poisoning part 7: General guidance on methods for isolation and identification of shigella Test Parameter: Shigella	IS 5887 (Part 7) 1999 (Reaffirmed 2022)
		Microbiology of the food chain — Horizontal method for the enumeration of	ISO 6888-1-2021

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Animal Food & Feed (cont'd.)	Animal feeds (cont'd.)	coagulase-positive staphylococci (Staphylococcus aureus and other species) — Part 1: Method using Baird-Parker agar medium Test Parameter: S. aureus	
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 8: Horizontal Method for Enumeration of Coagulase-Positive Staphylococci (Staphylococcus Aureus and other Species), Section 1: Technique Using Baird-Parker Agar Medium Test Parameter: S. aureus	IS 5887(P-8/sec-1) 2002 (Reaffirmed 2022)
		Microbiology of the food chain — Horizontal method for the detection, enumeration and serotyping of Salmonella — Part 1: Detection of Salmonella spp. Test Parameter: Salmonella	ISO 6579-1-2017
		Methods for detection of bacteria responsible for food poisoning part3 general guidance on methods for the detection of salmonella Test Parameter: Salmonella	IS 5887(Part 3) sec 1 2020
		Detection of Salmonella Rapid analysis Test Parameter: Salmonella	2013.01, Chapter 17, AOAC 21 st Edition (Salmonella in a Variety of Foods VIDAS UP Salmonella -SPT Method)
		Yeasts and Molds Test Parameter: Yeast and Mould (Spread plate method)	Chapter 18, US FDA BAM 2001

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Animal Food & Feed (cont'd.)	Animal feeds (cont'd.)	Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and molds — Part 2: Colony count technique in products with water activity less than or equal to 0,95 Test Parameter: Yeast and Mould	ISO 21527-2-2017
		Microbiology of food and feeding stuffs — horizontal method for detection and enumeration of listeria monocytogenes Part 1 Detection method Test Parameter: Listeria monocytogenes	IS 14988 (Part 1)2020
		Microbiology of the food chain — Horizontal method for the detection and enumeration of Listeria monocytogenes and of Listeria spp. — Part 1: Detection method Test Parameter: Listeria spp / Listeria monocytogenes	ISO 11290-1 2017
		Detection of Listeria monocytogenes Test Parameter: Listeria monocytogenes	2004.02, Chapter 17 AOAC, 21 st Edition (Listeria monocytogenes in Foods VIDAS Listeria monocytogenes II -LMO2)
		Methods for detection of bacteria responsible for food poisoning part 4: isolation and identification of Clostridium perfringens (Clostridium welchii) and Clostridium botulinum and enumeration of Clostridium perfringens Test Parameter: Clostridium perfringens (Enumeration)	IS 5887(Part 4)1999 (Reaffirmed 2022)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Animal Food & Feed (cont'd.)	Animal feeds (cont'd.)	Microbiology of the food chain – Horizontal method for the detection and enumeration of <i>Clostridium</i> spp. – Part 2: Enumeration of <i>Clostridium perfringens</i> by colony-count technique	ISO 15213-2:2023
		Microbiology of the food chain — Horizontal method for the detection and enumeration of Enterobacteriaceae — Part 1: Detection of Enterobacteriaceae Test Parameter: Enterobacteriaceae	ISO 21528 – 2-2017
Biological: Marine & Aquaculture Products	Fish & Fishery Products (Shrimp & Prawns)	Aerobic Plate Count Test Parameter: - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms (Pour plate method)	Chapter 3, FDA- BAM 2001
		Microbiology of the food chain — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30 °C by the pour plate technique Test Parameter - Aerobic plate count /Total plate count/Mesophilic aerobic microorganisms	ISO 4833-1-2013
		Enumeration of <i>Escherichia coli</i> and the Coliform Bacteria Test Parameter: <i>E. coli</i> (MPN)	Chapter 4, FDA- BAM 2020
		Enumeration of <i>Escherichia coli</i> and the Coliform Bacteria Test Parameter: <i>E. coli</i> (Enumeration)	Chapter 4, FDA- BAM 2020
		Microbiology of food and animal feeding stuffs —	ISO 16649 – 2-2001

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Marine & Aquaculture Products (cont'd.)	Fish & Fishery Products (Shrimp & Prawns) (cont'd.)	Horizontal method for the enumeration of beta-glucuronidase-positive <i>Escherichia coli</i> — Part 2: Colony-count technique at 44 degrees C using 5-bromo-4-chloro-3-indolyl beta-D-glucuronide Test Parameter: <i>E. coli</i>	
		Microbiology of the food chain — Horizontal method for the enumeration of beta-glucuronidase-positive <i>Escherichia coli</i> — Part 3: Detection and most probable number technique using 5-bromo-4-chloro-3-indolyl-β-D-glucuronide Test Parameter: <i>E. coli</i>	ISO 16649-3-2015
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 1: Isolation, Identification and Enumeration of <i>Escherichia Coli</i> Test Parameter: <i>E. coli</i> (Detection)	IS 5887 (Part 1) 1976 (Reaffirmed 2022)
		Enumeration of <i>Escherichia coli</i> and the Coliform Bacteria Test Parameter: Coliforms (MPN & Enumeration)	Chapter 4, FDA-BAM 2020
		Microbiology of food and animal feeding stuffs — Horizontal method for the detection and enumeration of coliforms — Most probable number technique Test Parameter: Coliforms	ISO 4831:2006
		Microbiology of food and animal feeding stuffs — Horizontal method for the	ISO 4832:2006

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Marine & Aquaculture Products (cont'd.)	Fish & Fishery Products (Shrimp & Prawns) (cont'd.)	enumeration of coliforms — Colony-count technique Test Parameter: Coliforms	
		Enumeration of Escherichia coli and the Coliform Bacteria Test Parameter: Faecal Coliforms (MPN)	Chapter 4, FDA-BAM 2020
		Staphylococcus aureus Test Parameter: S. aureus (MPN)	Chapter 12, FDA-BAM,2016
		Staphylococcus aureus Enumeration Test Parameter: S. aureus	Chapter 12, FDA-BAM,2016
		Microbiology of the food chain — Horizontal method for the enumeration of coagulase-positive staphylococci (Staphylococcus aureus and other species) — Part 1: Method using Baird-Parker agar medium Test Parameter: S. aureus	ISO 6888-1-2021
		Methods for Detection of Bacteria Responsible for Food Poisoning, Part 8: Horizontal Method for Enumeration of Coagulase-Positive Staphylococci (Staphylococcus Aureus and other Species), Section 1: Technique Using Baird-Parker Agar Medium Test Parameter: S. aureus	IS 5887(P-8/sec-1) 2002 (Reaffirmed 2022)
		Microbiology of the food chain — Horizontal method for the detection, enumeration and serotyping of Salmonella — Part 1: Detection of Salmonella spp. Test Parameter: Salmonella	ISO 6579-1-2017

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Marine & Aquaculture Products (cont'd.)	Fish & Fishery Products (Shrimp & Prawns) (cont'd.)	Methods for detection of bacteria responsible for food poisoning part3 general guidance on methods for the detection of salmonella Test Parameter: Salmonella	IS 5887(Part 3) Sec-1-2020
		Salmonella Test Parameter: Salmonella	Chapter 5, FDA- BAM 2023
		Detection of Salmonella Rapid analysis Test Parameter: Salmonella	2013.01, Chapter 17, AOAC 21 st Edition (Salmonella in a Variety of Foods VIDAS UP Salmonella -SPT Method)
		Yeasts and Molds Test Parameter: Yeast and Mould (Spread plate method)	Chapter 18, US FDA BAM
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 2: Colony count technique in products with water activity less than or equal to 0,95 Test Parameter: Yeast and Mould	ISO 21527-2-2008
		Detection of Listeria monocytogenes in Foods and Environmental Samples, and Enumeration of Listeria monocytogenes in Foods Test Parameter: Listeria monocytogenes (Detection)	Chapter 10, FDA-BAM 2022
		Microbiology of food and feeding stuffs — horizontal method for detection and enumeration of listeria monocytogenes Part 1 Detection method	IS 14988 (Part 1)2020

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Marine & Aquaculture Products (cont'd.)	Fish & Fishery Products (Shrimp & Prawns) (cont'd.)	Test Parameter: Listeria monocytogenes	
		Microbiology of the food chain — Horizontal method for the detection and enumeration of Listeria monocytogenes and of Listeria spp. — Part 1: Detection method	ISO 11290-1-2017
		Test Parameter: Listeria spp / Listeria monocytogenes	
		Detection of Listeria monocytogenes	2004.02, Chapter 17 AOAC, 21 st Edition (Listeria monocytogenes in Foods VIDAS Listeria monocytogenes II -LMO2)
		Test Parameter: Listeria monocytogenes	
		Methods for detection of bacteria responsible for food poisoning part 4: isolation and identification of Clostridium perfringens (Clostridium welchii) and Clostridium botulinum and enumeration of Clostridium perfringens	IS 5887(Part 4)1999 (Reaffirmed 2022)
		Test Parameter: Clostridium perfringens (Detection)	
		Microbiology of the food chain – Horizontal method for the detection and enumeration of Clostridium spp. – Part 2: Enumeration of Clostridium perfringens by colony-count technique	ISO 15213-2:2023
Clostridium perfringens	Chapter 16, FDA-BAM 2001		
Test Parameter: Clostridium perfringens			
Shigella	Chapter 6, FDA-BAM 2023		
Test Parameter: Shigella			
Microbiology of food and animal feeding stuffs —	ISO 21567-2004		

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Biological: Marine & Aquaculture Products (cont'd.)	Fish & Fishery Products (Shrimp & Prawns) (cont'd.)	Horizontal method for the detection of Shigella spp. Test Parameter: Shigella	
		Microbiology of food and animal feeding stuffs — Horizontal methods for the detection and enumeration of Enterobacteriaceae — Part 2: Colony-count method Test Parameter: Enterobacteriaceae	ISO 21528 – 2-2017
		Methods for detection of bacteria responsible for food poisoning, Part 5: Isolation, identification, and enumeration of Vibrio cholerae and Vibrio parahaemolyticus Test Parameter: Vibrio cholerae, & Vibrio parahaemolyticus	IS 5887(Part 5)-1976 (Reaffirmed 2018)
		Microbiology of the food chain — Horizontal method for the determination of Vibrio spp. — Part 1: Detection of potentially enteropathogenic Vibrio parahaemolyticus, Vibrio cholerae and Vibrio vulnificus Test Parameter: Vibrio cholera, Vibrio parahaemolyticus, Vibrio vulnificus	ISO 21872-1-2017
		Vibrio Test Parameter: Vibrio cholera, Vibrio parahaemolyticus	Chapter 09, FDA – BAM 2004
		Vibrio Test Parameter: Vibrio parahaemolyticus (MPN)	Chapter 09, FDA – BAM 2004

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Biological: Marine & Aquaculture Products (cont'd.)	Fish & Fishery Products (Shrimp & Prawns) (cont'd.)	Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of sulfite-reducing bacteria growing under anaerobic conditions Test Parameter: Sulphite reducing clostridia spp	ISO 15213: P-1 2023
		Bacillus cereus Test Parameter: Bacillus cereus	Chapter 14, US FDA BAM 2020
		Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of presumptive Bacillus cereus — Colony-count technique at 30 degrees C Test Parameter: Bacillus cereus	ISO 7932 2004
		Enterococci (Enumeration)	Chapter -10 ,10.15 Compendium of Methods for the microbiological examination of foods 5 th Edition APHA
Biological: Water	Drinking Water, Piped Borewell Water, Industrial Water	Coliforms (MPN)	APHA 23 rd Edition,2017 9221 - 9221 B & 9221 C,
		Methods of Sampling and Microbiological Examination of Water Test Parameter: Coliforms (MPN)	IS: 1622 :1981 (Reaffirmed 2019)
		E. coli (MPN)	APHA 23 rd Edition, 2017 9221 E
		Feacal coliforms (MPN)	APHA 23 rd Edition,2017 9221 E
		Methods of Sampling and Microbiological Examination of Water Test Parameter: E. coli (MPN)	IS: 1622 :1981 (Reaffirmed 2019)
		E. coli (MPN)	APHA 23 rd Edition,2017 9221 B, 9221 E
		E. coli (Detection)	APHA 23 rd Edition,2017 9222 G, &9221 E APHA 23 rd Edition

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Water (cont'd.)	Drinking Water, Piped Borewell Water, Industrial Water (cont'd.)	Methods of Sampling and Microbiological Examination of Water Test Parameter: E. coli (MPN)	IS: 1622 :1981 (Reaffirmed 2019)
		Water quality — Enumeration of Escherichia coli and coliform bacteria — Part 1: Membrane filtration method for waters with low bacterial background flora Test Parameter: E. coli & Coliforms	ISO 9308-1-2014
		Total plate count @20 °C – 28 °C	APHA 23 rd Edition,2017 9215 B
	Packaged Natural Mineral Water & Packaged Drinking Water	Water quality — detection and enumeration of Escherichia coli and coliform bacteria — membrane filtration method Test Parameter: E. coli & Coliform	IS 15185 -2016 (Reaffirmed 2021)
		Water Quality — Detection and Enumeration of Intestinal Enterococci — Membrane Filtration Test Parameter:(Fecal Streptococci) Enterococci	IS 15186 2002 (Reaffirmed 2018)
		Methods for Detection of Bacteria Responsible for Food Poisoning Part 2 Isolation, Identification And Enumeration Of Staphylococcus Aureus And Faecal Streptococci Test Parameter: Staphylococcus aureus	IS 5887 -2-1976 (Reaffirmed 2022)
		Packaged Drinking Water & Packaged Natural Mineral Water Test Parameter: Sulphite reducing anaerobes (Clostridia)	IS 13428 Annex-C-2005 (Reaffirmed 2018)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Water (cont'd.)	Packaged Natural Mineral Water & Packaged Drinking Water (cont'd.)	Packaged Drinking Water & Packaged Natural Mineral Water Test Parameter: Pseudomonas aeruginosa	IS 13428 Annex-D-2005 (Reaffirmed 2018)
		Method for yeast and mould count of foodstuffs and animal feeds Test Parameter: Yeast and Mold (Detection)	IS 5403-1999 (Reaffirmed 2018)
		Microbiology of Food and Animal Feeding Stuffs – Horizontal Method for the Enumeration of Micro-Organisms – Colony-Count Technique at 30°C (Only for Packaged Drinking Water) Test Parameter: Aerobic Microbial Count at 22 °C	IS 5402-2012 (Reaffirmed 2018)
		Microbiology of Food and Animal Feeding Stuffs – Horizontal Method for the Enumeration of Micro-Organisms – Colony-Count Technique at 30 °C (Only for Packaged Drinking Water) Test Parameter: Aerobic Microbial Count at 37 °C	IS 5402-2012 (Reaffirmed 2018)
		Water Quality — Detection of Salmonella Species Test Parameter: Salmonella	IS 15187-2016 (Reaffirmed 2021)
		Methods for detection of bacteria responsible for food poisoning part 7 general guidance on methods for isolation and identification of Shigella Test Parameter: Shigella	IS 5887 (Part 7) 1999 (Reaffirmed 2022)
		Detection of Bacteria Responsible for Food Poisoning Part V Isolation,	IS 5887 (Part 5) 1976 (Reaffirmed 2018)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Biological: Water (cont'd.)	Packaged Natural Mineral Water & Packaged Drinking Water (cont'd.)	Identification and Enumeration of Vibrio Cholerae And Vibrio Parahaemolyticus Test Parameter: Vibrio cholerae & Vibrio parahaemolyticus	
	Water for Processed Food Industry (Water/Ice)	Methods of Sampling and Microbiological Examination of Water Test Parameter: Standard Plate Count	IS: 1622 1981 (Reaffirmed 2019)
		Methods of Sampling and Microbiological Examination of Water Test Parameter: Coliform (MPN)	IS: 1622 1981 (Reaffirmed 2019)
		Methods of Sampling and Microbiological Examination of Water Test Parameter: E. coli (MPN)	IS: 1622 1981 (Reaffirmed 2019)
		Quality Tolerances for Water For Processed Food Industry Test Parameter: Proteolytic count & Lipolytic)	IS 4251: 1976 (Appendix A) (Reaffirmed 2013)
		Microbiology of Food and Animal Feeding Stuffs – Horizontal Method for the Enumeration of Micro-Organisms – Colony-Count Technique at 30 °C Test Parameter: Aerobic Microbial Count at 22 °C	IS 5402- 2012
		Microbiology of Food and Animal Feeding Stuffs – Horizontal Method for the Enumeration of Micro-Organisms – Colony-Count Technique at 30 °C Test Parameter: Aerobic Microbial Count at 37 °C	IS 5402-2012
		Water Quality — Enumeration of Culturable Micro-Organisms — Colony	ISO 6222 :1999

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Biological: Water (cont'd.)	Water for Processed Food Industry (Water/Ice) (cont'd.)	Count by Inoculation In A Nutrient Agar Culture Medium Test Parameter: Colony count @ 22 °C Test Parameter: Colony count @ 37 °C	
		Water quality — Enumeration of Escherichia coli and coliform bacteria — Part 1: Membrane filtration method for waters with low bacterial background flora Test Parameter: Coliforms & E.coli	ISO 9308-1-2014
		Water quality — Detection and enumeration of intestinal enterococci — Part 2: Membrane filtration method Test Parameter: (Faecal Streptococci) Enterococci	ISO 7899-2-2000
		Water quality — Detection and enumeration of Pseudomonas aeruginosa — Method by membrane filtration Test Parameter: Pseudomonas aeruginosa	ISO 16266 -2006
		Water Quality — Enumeration of Clostridium Perfringens — Method Using Membrane Filtration Test Parameter: Clostridium perfringens	ISO 14189 – 2013

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

TUV SUD SOUTH ASIA PVT LTD

www.tuvsud.com/in

Contact Name PEDADA RAO

Contact Phone +91 9492757421

Accredited to ISO/IEC 17025:2017

Effective Date April 30, 2024

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products	Meat and Meat Products	Loss on Drying (Moisture) in Meat	950.46, Chapter 39, AOAC 21 st Edition:2019
		Crude fat in meat	960.39, Chapter 39, AOAC 21 st Edition:2019
		Salt (Chlorine as Sodium Chloride) in meat	935.47, Chapter 39, AOAC 21 st Edition:2019
		Ash in Meat	920.153, Chapter 39, AOAC 21 st Edition:2019
		Nitrogen in meat	928.08, Chapter 39, AOAC 21 st Edition:2019
		Determination of Metals in Food samples (Annexure-II) - Copper	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples (Annexure-II) -Zinc	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples (Annexure-II) -Tin	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples (Annexure-II) -Mercury	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples (Annexure-II) -Arsenic	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples (Annexure-II) -Lead	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples (Annexure-II) -Cadmium	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples (Annexure-II) -Selenium	Lab_P_SOP_036: 2018
		Milk (Raw and Pasteurized) / Curd /	Method of test for Dairy Industry -Determination of

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Lassi / Condensed Milk / Skimmed Milk/Partly Skimmed Milk	total solids (Gravimetric Method)	
		Specification for condensed milk, partly skimmed and skimmed condensed milk- Determination of total milk solids	IS:1166-1986, RA-2018 (Appendix -B method -1)
		Method for determination of total solids content in condensed milk	IS:11622-1986 RA-2018
		Determination of Total Solids (Gravimetric Method)	FSSAI Manual of Methods (Milk and Milk Products) - Clause 1.3.3
		Total solids in milk by direct forced air oven drying – Total solids	990.20, Chapter 33, AOAC 21 st Edition: 2019
		Specification for condensed milk, partly skimmed and skimmed condensed milk- Titratable acidity as lactic acid	IS:1166-1986, RA-2018 (Appendix -D)
		Methods of test for Dairy industry – Acidity	IS:1479 (P-1)- 2016 (Clause 12)
		Determination of titratable acidity	FSSAI Manual of Methods (Milk and Milk Products)- clause 9.5
		Acidity of Milk (Titrimetric Method) – Titratable Acidity	947.05, Chapter 33, AOAC 21 st Edition:2019
		Sterilized & ultra-high temperature sterilized milk – Specifications – Determination of pH	IS:4238- 1967 RA 2010 (Annex – D)
		Methods of test for Dairy industry- Determination of pH	IS1479(P-1)2016 (Clause 7)
		Determination of fat in milk (Rose-Gottlieb Method) - Fat	FSSAI Manual of Methods (Milk and Milk Products, clause 1.3.4.2)
		Method of test for Dairy Industry -Determination of Fat (Rose Gottlieb Method)	IS:1479 (P-II)- 1961 RA 2018 (Clause 5)
Evaporated milk & Sweetened condensed milk – Determination of fat	IS:11762- 2013, RA-2018		

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE	
Chemical: Food & Agricultural Products (cont'd.)	Milk (Raw and Pasteurized) / Curd / Lassi / Condensed Milk / Skimmed Milk / Partly Skimmed Milk (cont'd.)	content (Gravimetric Method)		
		Total ash	945.46, Chapter 33, AOAC 21 st Edition:2019	
		Method of test for Dairy Industry -Determination of Ash	IS:1479 (P-II)- 1961 RA 2018 (Clause 16)	
		Method of test for Dairy Industry –Determination of Crude Protein	IS:1479 (P-II)- 1961 RA 2018 (Clause 8)	
		Determination of Total Nitrogen/Crude protein in milk – Crude protein	FSSAI Manual of Methods (Milk and Milk Products) (Clause 19- Method 1 & Method 2)	
		Method of test for Dairy Industry Determination of Total Nitrogen	IS:1479 (P-II)- 1961 RA 2018 (Clause 7)	
		Total Nitrogen in Milk (Kjeldahl Method)	991.20, Chapter 33, AOAC 21 st Edition:2019	
		Solids-not-fat in Milk (by difference between total solids & fat contents)	990.21, Chapter 33, AOAC 21 st Edition:2019	
		Detection of added urea in milk - Urea	FSSAI Manual of Methods (Milk and Milk Products) Clause 1.2.4.1	
		Detection of starch in milk - Starch	FSSAI Manual of Methods (Milk and Milk Products) Clause 1.2.2.1	
		Test for presence of Anionic detergents in milk- Detergents	FSSAI Manual of Methods (Milk and Milk Products) Clause 1.2.14.1	
		Detection of Neutralisers in Milk (Rosalic Acid Method) - Neutralisers	FSSAI Manual of Methods (Milk and Milk Products) Clause 1.2.11.1	
		Dry Milk Powder (Milk Powder, Skimmed Milk Powder, Partly Skimmed Milk Powder)	Determination of Moisture content in milk powder and similar products	IS 10672:2012
			Determination of Moisture in Dried milk – Moisture	FSSAI Manual of Methods (Milk and Milk Products) (Clause 10.2)
			Physical test in Food Products- Filthy, putrid, rotten, decomposed, or diseased animal substance or vegetable substance, worms, weevils or insects	VTZ_LAB_SOP_001 :2021

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Dry Milk Powder (Milk Powder, Skimmed Milk Powder, Partly Skimmed Milk Powder) (cont'd.)	Determination of the Solubility percent in milk powder - Solubility	FSSAI Manual of Methods (Milk and Milk Products, Clause – 10.11)
		Detection of starch in milk - Starch	FSSAI Manual of Methods (Milk and Milk Products) Clause 1.2.2.1
		Sulphites in foods (Optimised Monier – Williams method) – Sulphur dioxide	990.28, Chapter 47, AOAC 21 st Edition:2019
		Dried milk & Dried milk products – Determination of Fat content (Gravimetric Method)	IS:11721-2013, RA-2018
		Determination of fat in Dried milk - Fat	FSSAI Manual of Methods (Milk and Milk Products) (Clause 10.3)
		Determination of Total ash in Dried milk – Total Ash	FSSAI Manual of Methods (Milk and Milk Products) (Clause 10.7)
		Milk powder Specification - Determination of Total Ash	IS:1165- 2002 RA 2018 (Annex A)
		Ash of milk powder - Ash	930.30, Chapter 33, AOAC 21 st Edition
		Milk powder Specification – Determination of Titrable Acidity as lactic acid	IS:1165- 2002 RA 2018 (Annex B)
		Methods for determination of titrable acidity in milk powder and similar products	IS:11766- 1986 RA 2018
		Methods for determination of Protein in foods & Feeds – Protein	IS:7219- 1973 RA 2020
		Determination of Milk protein in milk solids not fat of Dried milk - Protein	FSSAI Manual of Methods (Milk and Milk Products) (Clause 10.6)
		Protein in Milk powder	930.29, Chapter 33, AOAC 21 st Edition:2019
		Cheese (Includes Natural & Processed Cheese) & Paneer	Specification for Natural Cheese (Hard Variety), Processed cheese, Processed cheese spread and soft Cheese – Determination of Moisture

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE	
Chemical: Food & Agricultural Products (cont'd.)	Cheese (Includes Natural & Processed Cheese) & Paneer (cont'd.)	Paneer – Specification – Determination of Moisture	IS:10484-1983 RA 2019 (Annex A)	
		Loss on Drying (Moisture) in Cheese - Moisture	926.08, Chapter 33, AOAC 21 st Edition:2019	
		Paneer – Specification - Determination of Milk Fat	IS:10484-1983 RA 2019 (Annex B)	
		Specification for Natural Cheese (Hard Variety), Processed cheese, Processed cheese spread and soft Cheese – Determination of Salt	IS:2785- 1979 RA 2016 (Appendix C)	
		Paneer – Specification – Determination of Titratable Acidity	IS:10484-1983 RA 2019 (Annex C)	
		Acidity of Cheese (Titrimetric Method)- Acidity	920.124, Chapter 33, AOAC 21 st Edition:2019	
		Ash of cheese (Gravimetric Method)- Ash	935.42, Chapter 33, AOAC 21 st Edition:2019	
		Total nitrogen in Cheese (Kjeldahl method)	2001.14, Chapter 33, AOAC 21 st Edition:2019	
		Physical test in Food Products- Filthy, putrid, rotten, decomposed, or diseased animal substance or vegetable substance, worms, weevils, or insects	VTZ_LAB_SOP_001 :2021	
		Detection of starch in milk - Starch	FSSAI Manual of Methods (Milk and Milk Products) Clause 1.2.2.1	
		Sulphites in foods (Optimised Monier – Williams method) – Sulphur dioxide	990.28, Chapter 47, AOAC 21 st Edition:2019	
		Milk, Cheese, Panner, Butter, Ghee, SMP	Determination of Metals in Food samples, Annexure-II - Copper	Lab_P_SOP_036: 2018
			Determination of Metals in Food samples, Annexure-II - Zinc	Lab_P_SOP_036: 2018
	Determination of Metals in Food samples, Annexure-II - Tin		Lab_P_SOP_036: 2018	

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE	
Chemical: Food & Agricultural Products (cont'd.)	Milk, Cheese, Panner, Butter, Ghee, SMP (cont'd.)	Determination of Metals in Food samples, Annexure-II - Mercury	Lab_P_SOP_036: 2018	
		Determination of Metals in Food samples, Annexure-II - Arsenic	Lab_P_SOP_036: 2018	
		Determination of Metals in Food samples, Annexure-II - Lead	Lab_P_SOP_036: 2018	
		Determination of Metals in Food samples, Annexure-II - Cadmium	Lab_P_SOP_036: 2018	
	Wheat Atta		Physical test in Food Products- Moulds, living and dead insects, insect, fragments, and rodent contamination (hair, excreta) visible to the naked eye	VTZ_LAB_SOP_001 :2021
			Atta – Specification – Determination of Moisture	IS:1155-1968 RA 2015 (Annex A)
			Determination of Moisture - Moisture	FSSAI Manual of methods (Cereal and Cereal Products) (Clause 8.1)
			Atta – Specification – Determination of Total ash	IS:1155-1968 RA 2015 (Annex B)
			Determination of Total Ash - Ash	FSSAI Manual of methods (Cereal and Cereal Products) (Clause 8.2)
			Atta – Specification – Determination of Gluten	IS:1155-1968 RA 2015 (Annex D)
			Determination of Gluten - Gluten	FSSAI Manual of methods (Cereal and Cereal Products) (Clause 8.4)
			Atta – Specification – Determination of Acid insoluble ash	IS:1155-1968 RA 2015 (Annex C)
			Determination of Ash insoluble in dil.HCL Acid insoluble Ash	FSSAI Manual of methods (Cereal and Cereal Products) (Clause 8.3)
Atta – Specification – Determination of Alcoholic Acidity	IS:1155-1968 RA 2015 (Annex F)			
Determination of Alcoholic Acidity	FSSAI Manual of methods (Cereal and Cereal Products) (Clause 8.5)			

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Wheat Atta (cont'd.)	Atta – Specification – Determination of Crude fiber	IS:1155-1968 RA 2015 (Annex E)
		Determination of Crude fiber	FSSAI Manual of methods (Cereal and Cereal Products) (Clause 8.8)
	Maida	Physical test in Food Products- Mould, living and dead insects, insect, fragments and rodent contamination (hair, excreta) visible to the naked eye	VTZ_LAB_SOP_001 :2021
		Specification for Maida for general purposes - Determination of Gluten	IS:1009-1979 RA 2015 (Appendix D)
		Determination of Gluten - Gluten	FSSAI Manual of methods (Cereal and Cereal Products) (Clause 8.4)
		Specification for Maida for general purposes - Determination of Moisture	IS:1009-1979 RA 2015 (Appendix A)
		Determination of Moisture - Moisture	FSSAI Manual of methods (Cereal and Cereal Products) (Clause 8.1)
		Specification for Maida for general purposes - Determination of Total Ash	IS:1009-1979 RA 2015 (Appendix B)
		Determination of Total Ash	FSSAI Manual of methods (Cereal and Cereal Products) (Clause 8.2)
		Specification for Maida for general purposes - Determination of Acid insoluble ash	IS:1009-1979 RA 2015 (Appendix C)
		Determination of Acid insoluble ash	FSSAI Manual of methods (Cereal and Cereal Products) (Clause 8.3)
		Specification for Maida for general purposes - Determination of Alcoholic Acidity	IS:1009-1979 RA 2015 (Appendix E)
		Determination of Alcoholic Acidity	FSSAI Manual of methods (Cereal and Cereal Products) (Clause 8.5)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Food Grains, Milled Food Grains Cereals, Pulses (Tur dal, Moong dal, Chana) and Biproducts	Determination of Metals in Food samples, (Annexure-II) - Copper	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples, (Annexure-II) - Zinc	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples, (Annexure-II) - Tin	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples, (Annexure-II) - Mercury	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples, (Annexure-II) - Arsenic	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples, (Annexure-II) - Lead	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples, (Annexure-II) - Cadmium	Lab_P_SOP_036: 2018
	Spices and Condiments- Pepper- Black (whole, powder)	Physical test in Food Products- Moulds, living and dead insects, insect, fragments, and rodent contamination (hair, excreta) visible to the naked eye	VTZ_LAB_SOP_001: 2021
		Spices and Condiments – Methods of Test -Moisture	IS:1797- 2017 (Clause 9)
		Determination of Moisture content (Dean & Stark distillation method) - Moisture	FSSAI Manual (Spices and Condiments) FSSAI 10.003:2021
		Spices and Condiments – Methods of Test -Total ash	IS:1797- 2017 (Clause 6)
		Determination of Total Ash of Spices & Condiments- Ash	FSSAI Manual (Spices and Condiments) FSSAI 10.006:2021
		Spices and Condiments – Methods of Test - Nonvolatile ether extract	IS:1797- 2017 (Clause 14)
		Determination of Non volatile ether extract	FSSAI Manual (Spices and Condiments) FSSAI 10.012:2021

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Spices and Condiments- Pepper- Black (whole, powder) (cont'd.)	Spices and Condiments – Methods of Test -Volatile oil	IS:1797- 2017 (Clause 15)
		Method for determination of Volatile Oil – Volatile Oil	FSSAI Manual (Spices and Condiments) FSSAI 10.013:2021
		Insect damaged	IS 1798 :2010 Clause 4.2
		Spices and Condiments – Methods of Test -Acid Insoluble Ash	IS:1797- 2017 (Clause 8)
		Determination of Acid insoluble Ash of Spices & Condiments – Acid insoluble Ash	FSSAI Manual (Spices and Condiments) FSSAI 10.007:2021
		Spices and Condiments – Methods of Test -Crude Fiber	IS:1797- 2017 (Clause 13)
		Determination of Crude fiber in spices & Condiments – Crude Fiber	FSSAI Manual (Spices and Condiments) FSSAI 10.014:2021
		Spices and Condiments – Methods of Test - Extraneous matter	IS:1797- 2017 (Clause 4)
		Determination of Extraneous matter & other refractions in whole Spices – Extraneous matter	FSSAI Manual (Spices and Condiments) FSSAI 10.002:2021
		Determination of the percentage of Light Berries in whole black/white pepper – Light berries	FSSAI Manual (Spices and Condiments) FSSAI 10.019:2021
		Pinheads or broken berries	IS 1798 :2010 Clause 3.7 & 3.8f
		Determination of Bulk density (Mass/Litre) of black pepper – Bulk density	FSSAI Manual (Spices and Condiments) FSSAI 10.018:2021
		Piperine in pepper preparations – Spectrophotometric Method - Piperine	987. 07, Chapter 43, AOAC 21 st Edition
Determination of Piperine content in black pepper by UV visible Spectrophotometry-	FSSAI Manual (Spices and Condiments) FSSAI 10.020:2021		

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)		piperine	
	Turmeric - Haldi (whole, powder)	Physical test in Food Products- Moulds, living and dead insects, insect, fragments and rodent contamination (hair, excreta) visible to the naked eye	VTZ_LAB_SOP_001:2021
		Spices and Condiments – Methods of Test -Moisture	IS:1797- 2017 (Clause 9)
		Determination of Moisture content (Dean & Stark distillation method) - Moisture	FSSAI Manual (Spices and Condiments) FSSAI 10.003:2021
		Spices and Condiments – Methods of Test -Total ash	IS:1797- 2017 (Clause 6)
		Determination of Total Ash of Spices & Condiments- Ash	FSSAI Manual (Spices and Condiments) FSSAI 10.006:2021
		Spices and Condiments – Methods of Test -Acid Insoluble Ash	IS:1797- 2017 (Clause 8)
		Determination of Acid insoluble Ash of Spices & Condiments – Acid insoluble Ash	FSSAI Manual (Spices and Condiments) FSSAI 10.007:2021
		Specification for turmeric Oleoresin -Determination of Curcumin content	IS:10925-1984 (Appendix B)
		Determination of curcumin content in by UV-Visible Spectrophotometry	FSSAI Manual (Spices and Condiments) FSSAI 10.030:2021
		Method of test for Edible starch & Starch products - Total starch (Acid hydrolysis method)	IS:4706(Part-2)-1978, RA 2015 (Clause 9)
		Determination of Starch content in turmeric	FSSAI Manual (Spices and Condiments) FSSAI 10.032:2021
		Turmeric - Haldi (whole, powder) (cont'd.)	Spices & Condiments - Turmeric Whole & Ground Specifications- Test for chromates
	Qualitative method to test for presence of chromate in		FSSAI Manual (Spices and Condiments)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)		turmeric – Test for CHromates	FSSAI 10.033:2021
		Spices and Condiments – Methods of Test - Extraneous matter	IS:1797- 2017 (Clause 4)
		Determination of Extraneous matter & other refractions in whole Spices – Extraneous matter	FSSAI Manual (Spices and Condiments) FSSAI 10.002:2021
		Spices & Condiments - Turmeric Whole & Ground Specifications- Defective rhizomes	IS:3576- 2010, RA 2020 (Clause 4.4)
Cumin - Safed Zeera (whole, powder), Cumin Black - Kalonji (whole, powder)		Moulds, living and dead insects, insect, fragments and rodent contamination (hair, excreta) visible to the naked eye	VTZ_LAB_SOP_001, Rev 00, 2021(Physical test of Food Products)
		Spices and Condiments – Methods of Test -Moisture	IS:1797- 2017 (Clause 9)
		Determination of Moisture content (Dean & Stark distillation method) - Moisture	FSSAI Manual (Spices and Condiments) FSSAI 10.003:2021
		Spices and Condiments – Methods of Test -Total ash	IS:1797- 2017 (Clause 6)
		Determination of Total Ash of Spices & Condiments- Ash	FSSAI Manual (Spices and Condiments) FSSAI 10.006:2021
		Spices and Condiments – Methods of Test -Acid Insoluble Ash	IS:1797- 2017 (Clause 8)
		Determination of Acid insoluble Ash of Spices & Condiments – Acid insoluble Ash	FSSAI Manual (Spices and Condiments) FSSAI 10.007:2021
		Spices and Condiments – Methods of Test -Volatile oil content	IS:1797- 2017 (Clause 15)
		Method for determination of Volatile Oil – Volatile Oil	FSSAI Manual (Spices and Condiments) FSSAI 10.013:2021
		Spices and Condiments – Methods of Test -Non-volatile ether extract	IS:1797- 2017 (Clause 14)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE	
Chemical: Food & Agricultural Products (cont'd.)	Cumin - Safed Zeera (whole, powder), Cumin Black - Kalonji (whole, powder) (cont'd.)	Determination of Non-volatile ether extract	FSSAI Manual (Spices and Condiments) FSSAI 10.012:2021	
		Spices and Condiments – Methods of Test - Extraneous matter	IS:1797- 2017 (Clause 4)	
		Determination of Extraneous matter & other refractions in whole Spices – Extraneous matter	FSSAI Manual (Spices and Condiments) FSSAI 10.002:2021	
		Broken fruits (Damaged, shrivelled, Discoloured, and immature seeds)	IS 2447:2010 Clause 3.2	
	Curry Powder	Physical test in Food Products- Moulds, living and dead insects, insect, fragments, and rodent contamination (hair, excreta) visible to the naked eye		VTZ_LAB_SOP_001: 2021
			Spices and Condiments – Methods of Test -Moisture	IS:1797- 2017 (Clause 9)
			Spices and Condiments – Methods of Test -Volatile oil	IS:1797- 2017 (Clause 15)
			Spices and Condiments – Methods of Test -Non volatile ether extract	IS:1797- 2017 (Clause 14)
			Spices and Condiments – Methods of Test -Edible common salt	IS:1797- 2017 (Clause 16)
			Spices and Condiments – Methods of Test -Acid Insoluble Ash	IS:1797- 2017 (Clause 8)
			Spices and Condiments – Methods of Test -Crude Fiber	IS:1797- 2017 (Clause 13)
	Cardamom - (capsules & seeds)	Physical test in Food Products- Moulds, living and dead insects, insect, fragments and rodent contamination (hair, excreta) visible to the naked eye		VTZ_LAB_SOP_001 :2021
			Spices and Condiments – Methods of Test -Moisture	IS:1797- 2017 (Clause 9)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Cardamom - (capsules & seeds) (cont'd.)	Determination of Moisture content (Dean & Stark distillation method) - Moisture	FSSAI Manual (Spices and Condiments) FSSAI 10.003:2021
		Spices and Condiments – Methods of Test -Total ash	IS:1797- 2017 (Clause 6)
		Determination of Total Ash of Spices & Condiments- Ash	FSSAI Manual (Spices and Condiments) FSSAI 10.006:2021
		Insect damage	IS 1907 Clause 2.3
		Spices and Condiments – Methods of Test -Volatile oil	IS:1797- 2017 (Clause 15)
		Method for determination of Volatile Oil – Volatile Oil	FSSAI Manual (Spices and Condiments) FSSAI 10.013:2021
		Spices and Condiments – Methods of Test - Extraneous matter	IS:1797- 2017 (Clause 4)
		Determination of Extraneous matter & other refractions in whole Spices – Extraneous matter	FSSAI Manual (Spices and Condiments) FSSAI 10.002:2021
	Chillies and Capsicum (whole, powder)	Physical test in Food Products- Moulds, living and dead insects, insect, fragments, and rodent contamination (hair, excreta) visible to the naked eye	VTZ_LAB_SOP_001:2021
		Spices and Condiments – Methods of Test -Moisture	IS:1797- 2017 (Clause 9)
		Determination of Moisture content (Dean & Stark distillation method) - Moisture	FSSAI Manual (Spices and Condiments) FSSAI 10.003:2021
		Spices and Condiments – Methods of Test -Total ash	IS:1797- 2017 (Clause 6)
		Determination of Total Ash of Spices & Condiments- Ash	FSSAI Manual (Spices and Condiments) FSSAI 10.006:2021
		Spices and Condiments – Methods of Test -Acid Insoluble Ash	IS:1797- 2017 (Clause 8)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Chillies and Capsicum (whole, powder) (cont'd.)	Determination of Acid insoluble Ash of Spices & Condiments – Acid insoluble Ash	FSSAI Manual (Spices and Condiments) FSSAI 10.007:2021
		Insect damage	IS 2322 :2010 Clause 5.2
		Spices and Condiments – Methods of Test - Extraneous matter	IS:1797- 2017 (Clause 4)
		Determination of Extraneous matter & other refractions in whole Spices – Extraneous matter	FSSAI Manual (Spices and Condiments) FSSAI 10.002:2021
		Spices & Condiments- Chillies, Whole and Ground (powdered) - Unripe, marked, and broken fruits and fragments	IS:2322- 2010 Annex A (Clause 5.5)
		Spices and Condiments – Methods of Test -Crude Fiber	IS:1797- 2017 (Clause 13)
		Determination of Crude fiber of Spices & Condiments	FSSAI Manual (Spices and Condiments) FSSAI 10.014:2021
		Spices and Condiments – Methods of Test - Nonvolatile ether extract	IS:1797- 2017 (Clause 14)
		Determination of Non-volatile ether extract	FSSAI Manual (Spices and Condiments) FSSAI 10.012:2021
	Cinnamon - (whole, powder)	Physical test in Food Products- Moulds, living and dead insects, insect, fragments, and rodent contamination (hair, excreta) visible to the naked eye	VTZ_LAB_SOP_001: 2021
		Spices and Condiments – Methods of Test -Moisture	IS:1797- 2017 (Clause 9)
		Determination of Moisture content (Dean & Stark distillation method) - Moisture	FSSAI Manual (Spices and Condiments) FSSAI 10.003:2021
		Spices and Condiments – Methods of Test -Total ash	IS:1797- 2017 (Clause 6)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Cinnamon - (whole, powder) (cont'd.)	Determination of Total Ash of Spices & Condiments- Ash	FSSAI Manual (Spices and Condiments) FSSAI 10.006:2021
		Spices and Condiments – Methods of Test -Acid Insoluble Ash	IS:1797- 2017 (Clause 8)
		Determination of Acid insoluble Ash of Spices & Condiments – Acid insoluble Ash	FSSAI Manual (Spices and Condiments) FSSAI 10.007:2021
		Spices and Condiments – Methods of Test -Volatile oil	IS:1797- 2017 (Clause 15)
		Method for determination of Volatile Oil – Volatile Oil	FSSAI Manual (Spices and Condiments) FSSAI 10.013:2021
		Spices and Condiments – Methods of Test - Extraneous matter	IS:1797- 2017 (Clause 4)
		Determination of Extraneous matter & other refractions in whole Spices – Extraneous matter	FSSAI Manual (Spices and Condiments) FSSAI 10.002:2021
	Cloves - (whole, ground)	Physical test in Food Products- Moulds, living and dead insects, insect, fragments, and rodent contamination (hair, excreta) visible to the naked eye	VTZ_LAB_SOP_001 :2021
		Spices and Condiments – Methods of Test -Moisture	IS:1797- 2017 (Clause 9)
		Determination of Moisture content (Dean & Stark distillation method) - Moisture	FSSAI Manual (Spices and Condiments) FSSAI 10.003:2021
		Spices and Condiments – Methods of Test -Total ash	IS:1797- 2017 (Clause 6)
		Determination of Total Ash of Spices & Condiments- Ash	FSSAI Manual (Spices and Condiments) FSSAI 10.006:2021
		Spices and Condiments – Methods of Test -Acid Insoluble Ash	IS:1797- 2017 (Clause 8)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Cloves - (whole, ground) (cont'd.)	Determination of Acid insoluble Ash of Spices & Condiments – Acid insoluble Ash	FSSAI Manual (Spices and Condiments) FSSAI 10.007:2021
		Spices and Condiments – Methods of Test -Volatile oil	IS:1797- 2017 (Clause 15)
		Method for determination of Volatile Oil – Volatile Oil	FSSAI Manual (Spices and Condiments) FSSAI 10.013:2021
		Spices and Condiments – Methods of Test -Crude Fiber	IS:1797- 2017 (Clause 13)
		Determination of Crude fiber of Spices & Condiments	FSSAI Manual (Spices and Condiments) FSSAI 10.014:2021
		Insect damage	IS 4404 :2010 - Clause 4.5
		Spices and Condiments – Methods of Test - Extraneous matter	IS:1797- 2017 (Clause 4)
		Determination of Extraneous matter & other refractions in whole Spices – Extraneous matter	FSSAI Manual (Spices and Condiments) FSSAI 10.002:2021
		Tendrils, Mother cloves	IS 4404 :2010 - Clause 4.5
		Khokar cloves	IS 4404 :2010 - Clause 4.5
		Headless cloves	IS 4404 :2010 - Clause 4.5
		Coriander - (whole, ground)	Physical test in Food Products- Moulds, living and dead insects, insect, fragments, and rodent contamination (hair, excreta) visible to the naked eye
	Spices and Condiments – Methods of Test -Moisture		IS:1797- 2017 (Clause 9)
	Determination of Moisture content (Dean & Stark distillation method) - Moisture		FSSAI Manual (Spices and Condiments) FSSAI 10.003:2021
	Spices and Condiments – Methods of Test -Total ash		IS:1797- 2017 (Clause 6)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Coriander - (whole, ground) (cont'd.)	Determination of Total Ash of Spices & Condiments- Ash	FSSAI Manual (Spices and Condiments) FSSAI 10.006:2021
		Spices and Condiments – Methods of Test -Acid Insoluble Ash	IS:1797- 2017 (Clause 8)
		Determination of Acid insoluble Ash of Spices & Condiments – Acid insoluble Ash	FSSAI Manual (Spices and Condiments) FSSAI 10.007:2021
		Spices and Condiments – Methods of Test -Volatile oil	IS:1797- 2017 (Clause 15)
		Method for determination of Volatile Oil – Volatile Oil	FSSAI Manual (Spices and Condiments) FSSAI 10.013:2021
		Shriveled and immature fruits	IS:2443- 2014 & IS:1797- 2017 (Clause 4.1)
		Spices and Condiments – Methods of Test - Extraneous matter	IS:1797- 2017 (Clause 4)
		Determination of Extraneous matter & other refractions in whole Spices – Extraneous matter	FSSAI Manual (Spices and Condiments) FSSAI 10.002:2021
		Split fruits	IS 2443: 2014 & IS:1797- 2017 (Clause 4.0)
		Damaged, discolored and weeviled fruits	IS:2443- 2014 & IS:1797- 2017 (Clause 4.1)
	Spices and Condiments (Chilli, Pepper, Coriander, Turmeric, Cumin, Cloves Masala, Curry Powder Sambar Powder, Garam Masala, Rasam Powder)	Determination of Metals in Food samples, (Annexure-II) - Copper	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples, (Annexure-II) - Zinc	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples, (Annexure-II) - Tin	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples, (Annexure-II) - Mercury	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples, (Annexure-II) - Arsenic	Lab_P_SOP_036: 2018

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Spices and Condiments (Chilli, Pepper, Coriander, Turmeric, Cumin, Cloves Masala, Curry Powder, Sambar Powder, Garam Masala, Rasam Powder) (cont'd.)	Determination of Metals in Food samples, (Annexure-II) - Lead	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples, (Annexure-II) - Cadmium	Lab_P_SOP_036: 2018
	Vegetable and Vegetable Products (Pickles)	Determination of pH of Cut-out Syrup – pH	IS:2860- 1964, RA 2008 Clause 8
		Determination of pH value - pH	FSSAI Manual of Methods Fruit and Vegetable Products:2016 Clause 2.3
		Protein in fruit products (Kjeldahl method)- Protein	920.152, Chapter 37, AOAC 21 st Edition:2019
		Determination of Protein in Foods & Feeds - Protein	IS:7219-1973, RA 2010
		Determination of Sodium chloride in brine- Salt	IS:2860- 1964, RA 2008 - Clause 11
		Acidity (Titratable) of Fruit products – Titratable Acidity	942.15, Chapter 37, AOAC 21 st Edition:2019
		Acidity of cut-out syrup – Titratable Acidity	IS:2860- 1964, RA 2008 Clause 10
		Drained weight / Net weight	IS:2860- 1964, RA 2008 – Clause 7
		Sulphites in foods (Optimised Monier – Williams method) – Sulphur dioxide	990.28, Chapter 47, AOAC 21 st Edition:2019
		Fruit and Fruit Products (Jam, Jellies, Marmalades)	Determination of pH of Cut-out Syrup – pH
	Determination of pH value - pH		FSSAI Manual of Methods Fruit and Vegetable Products:2016 - Clause 2.3
	Methods of Sampling & Analysis for sugar Confectionery – Reducing Sugars		IS:6287- 1985 RA 2010 (Clause 8)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Fruit and Fruit Products (Jam, Jellies, Marmalades) (cont'd.)	Methods of Sampling & Analysis for sugar Confectionery – Sucrose	IS:6287- 1985 RA 2010 (Clause 9)
		Acidity of cut-out syrup – Titratable Acidity	IS:2860- 1964, RA 2008 Clause 10
		Determination of Acidity – Titratable Acidity	FSSAI Manual of Methods Fruit and Vegetable Products:2016 - Clause 2.4
		Sulphites in foods (Optimised Monier – Williams method) – Sulphur dioxide	990.28, Chapter 47, AOAC 21 st Edition:2019
		Solids (Water Insoluble) in fruit & Fruit products -Water insoluble solids	922.10, Chapter 37, AOAC 21 st Edition :2019 Method -1
		Ash of Fruit & Fruit products- Ash	940.26, Chapter 37, AOAC 21 st Edition :2019 Method A
	Fruit and Vegetable Products (dehydrated and frozen fruits and vegetables)	Determination of pH of Cut-out Syrup – pH	IS:2860- 1964, RA 2008 Clause 8
		Determination of Sodium chloride in brine- Salt	IS:2860- 1964, RA 2008 - Clause 11
		Methods of Sampling & Analysis for sugar Confectionery – Reducing Sugars	IS:6287- 1985 RA 2010 (Clause 8)
		Methods of Sampling & Analysis for sugar Confectionery – Sucrose	IS:6287- 1985 RA 2010 (Clause 9)
		Acidity (Titratable) of Fruit products – Titratable Acidity	942.15, Chapter 37, AOAC 21 st Edition:2019
		Ash of Fruit & Fruit products- Ash	940.26, Chapter 37, AOAC 21 st Edition :2019 Method A
		Determination of Moisture- Moisture	FSSAI Manual of Methods (Fruit and Vegetable Products),2016 – Clause 4.1
		Determination of Acid insoluble in HCL- Acid Insoluble Ash	FSSAI Manual of Methods (Fruit and Vegetable Products),2016 – Clause 5.3

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Fruit and Vegetable Products (dehydrated and frozen fruits and vegetables) (cont'd.)	Method of test for Edible starch & Starch products - Total starch (Acid hydrolysis method)	IS:4706(Part-2)-1978, RA 2015 (Clause 9)
		Sulphites in foods (Optimised Monier – Williams method) – Sulphur dioxide	990.28, Chapter 47, AOAC 21 st Edition:2019
	Ketchup, Sauces, Culinary Paste	Solids (Total) in fruits & fruit products- Total solids	920.151, Chapter 37, AOAC 21 st Edition :2019
		Determination of pH of Cut-out Syrup – pH	IS:2860- 1964, RA 2008 - Clause 8
		Determination of pH- pH	IS:3881- 1993 RA 2008 – Annex D
		Protein in fruit products (Kjeldahl method)- Protein	920.152, Chapter 37, AOAC 21 st Edition:2019
		Determination of Protein in Foods & Feeds - Protein	IS:7219-1973, RA 2010
		Determination of Sodium chloride in brine- Salt	IS:2860- 1964, RA 2008 - Clause 11
		Methods of Sampling & Analysis for sugar Confectionery – Reducing Sugars	IS:6287- 1985 RA 2010 (Clause 8)
		Methods of Sampling & Analysis for sugar Confectionery – Sucrose	IS:6287- 1985 RA 2010 (Clause 9)
		Acidity (Titratable) of Fruit products – Titratable Acidity	942.15, Chapter 37, AOAC 21 st Edition:2019
		Determination of Titratable Acidity	FSSAI Manual of Methods (Fruit and Vegetable Products) 2016 -Clause 2.4
		Acidity of cut-out syrup – Titratable Acidity	IS:2860- 1964, RA 2008 Clause 10
		Determination of percentage fill of container in fruit and vegetable products- Fill of container	LAB_P_SOP_250: 2014

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Ketchup, Sauces, Culinary Paste (cont'd.)	Determination of Ash Insoluble in Ash in Fruits and Vegetable product - Acid Insoluble Ash	LAB_P_SOP_248: 2014
	Fruit Juice/ Beverages, Squash, Cordial, Crush, Carbonated Juices	solids (Total) in fruits & fruit products- Total solids	920.151, Chapter 37, AOAC 21 st Edition :2019
		Determination of pH of Cut-out Syrup – pH	IS:2860- 1964, RA 2008 Clause 8
		Determination of pH- pH	FSSAI Manual of Methods (Fruit and Vegetable Products):2016 - Clause 2.3
		Methods of Sampling & Analysis for sugar Confectionery – Reducing Sugars	IS:6287- 1985 RA 2010 (Clause 8)
		Determination of Total sugars – Reducing sugars	FSSAI Manual of Methods (Fruit and Vegetable Products) 2016 - (Clause 2.6)
		Methods of Sampling & Analysis for sugar Confectionery – Sucrose	IS:6287- 1985 RA 2010 (Clause 9)
		Determination of Total sugars – Sucrose	FSSAI Manual of Methods (Fruit and Vegetable Products) (Clause 2.6)
		Acidity (Titratable) of Fruit products – Titratable Acidity	942.15, Chapter 37, AOAC 21 st Edition:2019
		Determination of Titratable Acidity	FSSAI Manual of Methods (Fruit and Vegetable Products) 2016 -Clause 2.4
		Sulphites in foods (Optimised Monier – Williams method) – Sulphur dioxide	990.28, Chapter 47, AOAC 21 st Edition:2019
	Alcoholic and Non-Alcoholic Beverages (including carbonated beverages)	Determination of Metals in Food samples Annexure-II - Copper	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Zinc	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Tin	Lab_P_SOP_036: 2018

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Alcoholic and Non-Alcoholic Beverages (including carbonated beverages) (cont'd.)	Determination of Metals in Food samples Annexure-II - Mercury	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Arsenic	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Lead	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Cadmium	Lab_P_SOP_036: 2018
	Coffee	Determination of Total ash	IS 3077: 2022 – Annex D
		Determination of Total ash	FSSAI Manual of Methods (Beverages):2015-Clause 1.3
		Determination of Acid insoluble ash	IS 3077: 2022 – Annex E
		Determination of Acid insoluble ash	FSSAI Manual of Methods (Beverages):2015-Clause 1.5
		Determination of Water-soluble ash	IS 3077: 2022 – Annex D & F
		Determination of water-soluble ash	FSSAI Manual of Methods (Beverages):2015-Clause 1.4
		Determination of Alkalinity of Soluble Ash -Alkalinity of ash	IS 3077: 2022 – Annex G
		Determination of Alkalinity of Ash	FSSAI Manual of Methods (Beverages):2015-Clause 1.6
		Determination of Petroleum Ether Extract-Ether extract	IS 3077: 2022 – Annex J
		Petroleum Ether Extract of roasted coffee Ether extract	920.97, Chapter 30 AOAC 21s Edn,2019
		Determination of Water-Soluble Matter	IS 3077: 2022 – Annex H
		Determination of Solubility in boiling water–Water soluble matter	FSSAI Manual of Methods (Beverages):2015-Clause 3.4
		Determination of Moisture	IS 16030:2012
		Determination of Moisture	FSSAI Manual of Methods (Beverages):2015-

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Coffee (cont'd.)		Clause 1.2
		Crude fiber in roaster coffee	920.98, Chapter 30 AOAC 21 st Edition
	Tea (black tea, green tea, instant tea)	Tea - Determination of Total Ash	IS:13854- 1994 RA 2019
		Determination of Total Ash	FSSAI Manual of Methods (Beverages):2015- Clause 1.3
		Tea – Determination of Acid insoluble ash	IS:13857- 1993 RA 2019
		Determination of Ash insoluble in dil HCL- Acid insoluble Ash	FSSAI Manual of Methods (Beverages):2015- Clause 1.5
		Tea- Determination of Water-soluble ash & water insoluble Ash	IS:13855-1993 RA 2019
		Determination of Water-soluble ash	FSSAI Manual of Methods (Beverages):2015- Clause 1.4
		Tea-Determination of Alkalinity of water soluble ash	IS:13856-1993 RA 2019
		Determination of Alkalinity of water-soluble ash	FSSAI Manual of Methods (Beverages):2015- Clause 5.7
		Tea – Determination of Loss in mass at 103°C – Moisture	IS:13853-1994 RA 2019
		Determination of Moisture	FSSAI Manual of Methods (Beverages):2015- Clause 1.2
		Tea - Determination of Water Extract	IS:13862- 1999 RA 2019
		Determination of Aqueous extract	FSSAI Manual of Methods (Beverages):2015- Clause 1.7
		Content of total poly phenols in tea – Colorimetric method using folin – Ciocaitau reagent – Total polyphenols (as catechins)	ISO:14502-1- 2005
		Methods for determination of Crude	IS:10226 (P1)- 1982 RA 2020

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Tea (black tea, green tea, instant tea) (cont'd.)	fiber content in food products – Crude fiber	
		Determination of crude fiber	FSSAI Manual of Methods (Beverages):2015- Clause 5.8
		Determination of iron filings & size of the particles- Test for Iron filings	FSSAI Manual of Methods (Beverages):2015- Clause 5.9

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

TUV SUD SOUTH ASIA PVT LTD

www.tuvsud.com/in

Contact Name PEDADA RAO

Contact Phone +91 9492757421

Accredited to ISO/IEC 17025:2017

Effective Date April 30, 2024

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Coffee, Tea, Cocoa and By Products	Determination of Metals in Food samples -Annexure-II - Copper	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples -Annexure-II - Zinc	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples -Annexure-II - Tin	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples -Annexure-II - Mercury	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples -Annexure-II - Arsenic	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples -Annexure-II - Lead	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples -Annexure-II - Cadmium	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples -Annexure-II - Manganese	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples -Annexure-II - Chromium	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples -Annexure-II - Iron	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples -Annexure-II - Nickel	Lab_P_SOP_036: 2018
	Chocolates / Toffees Sugar Boiled/Hard Boiled /Chewing	Determination of Metals in Food samples -Annexure-II - Copper	Lab_P_SOP_036: 2018

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Gum/ Confectionery, Lozenges	Determination of Metals in Food samples -Annexure-II - Zinc	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples -Annexure-II - Tin	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples -Annexure-II - Mercury	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples -Annexure-II - Arsenic	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples -Annexure-II - Lead	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples -Annexure-II - Cadmium	Lab_P_SOP_036: 2018
	Ghee	Determination of Reichert – Meissl value	IS 548 (Part 1): 1964 (RA 2020) - Clause 18
		Determination of Free fatty acid as oleic acid	IS 548 (Part 1): 1964 (RA 2020) – Clause 7.3.1
		Physical test of Food Products – filthy, putrid, rotten, decomposed, or diseased animal substance or vegetable substance, worms, weevils or insects	VTZ_LAB_SOP_001:2021
		Test for mineral oil	FSSAI Manual of Methods (Oils and Fats). FSSAI 02.029:2021
		Determination of Moisture	IS 3508:1966 Clause 4
		Test for rancidity	Fssai Manual of Methods (Oils & Fats) FSSAI 02.043:2021
		Baudouin Test	IS 3508:1966 Clause 21
	Butter	Determination of Moisture	IS:3507- 1966 RA 2009 Clause 4
		Determination of Moisture in ghee – Moisture	FSSAI Manual of Methods (Milk and Milk Products) 2016 Clause – 13.2
		Determination of Curd	IS:3507- 1966 RA 2009 – Clause 5
		Determination of Milk Fat	IS:3507- 1966 RA 2009 – Method 2 of Clause 6

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Butter (cont'd.)	Solids-not-fat in Milk (by difference between total solids & fat contents)	990.21 Chapter 33 AOAC 21 st Edition 2019
		Test for rancidity	FSSAI Manual of Methods (Oils & Fats) FSSAI 02.043:2021
		Test for mineral oil	FSSAI Manual of Methods (Oils and Fats) FSSAI 02.029:2021
		Determination of Salt	IS:3507- 1966 RA 2009 - Clause 7 (Method 1 &2)
		Physical test of Food Products – filthy, putrid, rotten, decomposed, or diseased animal substance or vegetable substance, worms, weevils or insects	VTZ_LAB_SOP_001:2021
	Bakery Products: Bread, Cakes, Biscuits	Determination of Metals in Food samples Annexure-II - Copper	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Zinc	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Tin	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Mercury	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Arsenic	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Lead	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Cadmium	Lab_P_SOP_036: 2018
	Macaroni, Spaghetti, Vermicelli and Noodles	Determination of Metals in Food samples Annexure-II - Copper	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Zinc	Lab_P_SOP_036: 2018

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Macaroni, Spaghetti, Vermicelli and Noodles (cont'd.)	Determination of Metals in Food samples Annexure-II - Tin	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Mercury	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Arsenic	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Lead	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Cadmium	Lab_P_SOP_036: 2018
	Nut & Nut Products: Cashew Nuts /Almonds/Pistachio	Determination of Metals in Food samples Annexure-II - Copper	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Zinc	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Tin	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Mercury	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Arsenic	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Lead	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Cadmium	Lab_P_SOP_036: 2018
		Fruit Products- Fruit Juices	Determination of Metals in Food samples Annexure-II - Copper
	Determination of Metals in Food samples Annexure-II - Zinc		Lab_P_SOP_036: 2018
	Determination of Metals in Food samples Annexure-II - Tin		Lab_P_SOP_036: 2018

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Fruit Products- Fruit Juices (cont'd.)	Determination of Metals in Food samples Annexure-II - Mercury	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Arsenic	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Cadmium	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Lead	Lab_P_SOP_036: 2018
	Sugar and Sugar Products	Determination of Metals in Food samples Annexure-II - Copper	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Zinc	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Tin	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Mercury	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Arsenic	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Lead	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Cadmium	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Chromium	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Iron	Lab_P_SOP_036: 2018
	Aquaculture Feed Ingredients, Aquaculture Feed Additives, Fish, Shrimps, Prawn Feed & Others	Methods of tests for Animal Feed and Feeding Stuffs - Determination of Moisture	IS:7874(Part I)- 1975 RA 2019 (Clause 4)
		Loss on drying (Moisture) at 95-100°C for feeds- Moisture	934.01, Chapter 4, AOAC 21 st Edition :2019

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Aquaculture Feed Ingredients, Aquaculture Feed Additives, Fish, Shrimps, Prawn Feed & Others (cont'd.)	Methods of tests for Animal Feed and Feeding Stuffs - Determination of Crude fat	IS:7874(Part I)- 1975 RA 2019 (Clause 7)
		Fat (Crude) or ether extract in animal feed- Crude Fat	920.39, Chapter 4, AOAC 21 st Edition:2019
		Methods of tests for Animal Feed and Feeding Stuffs - Determination of Crude Protein	IS:7874(Part I)- 1975 RA 2019 (Clause 5)
		Crude protein in animal feed and pet food – Copper catalyst Kjeldahl method – Crude protein	984.13, Chapter 4, AOAC 21 st Edition:2019
		Methods of tests for Animal Feed and Feeding Stuffs - Determination of Total Ash	IS:7874(Part I)- 1975 RA 2019 (Clause 9)
		Ash of Animal feed	942.05, Chapter 4, AOAC 21 st Edition:2019
		Total Sugars in animal feed (modified Fehling's solution method) – Total sugars	974.06, Chapter 4, AOAC 21 st Edition:2019
		Methods of tests for Animal Feed and Feeding Stuffs - Determination of Crude fiber	IS:7874(Part I)- 1975 RA 2019 (Clause 8)
		Determination of Metals in Food samples, (Annexure-II) - Lead	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples, (Annexure-II) - Cadmium	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples, (Annexure-II) - Iron	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples, (Annexure-II) - Zinc	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples, (Annexure-II) - Copper	Lab_P_SOP_036: 2018
Determination of Metals in Food samples, (Annexure-II) - Arsenic	Lab_P_SOP_036: 2018		

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Food & Agricultural Products (cont'd.)	Aquaculture Feed Ingredients, Aquaculture Feed Additives, Fish, Shrimps, Prawn Feed & Others (cont'd.)	Determination of Metals in Food samples, (Annexure-II) - Mercury	Lab_P_SOP_036: 2018
		Determination of metals in Feed samples by ICPMS – Mercury as Hg	VTZ_LAB_SOP_25:2023
		Determination of metals in Feed samples by ICPMS – Arsenic as As	VTZ_LAB_SOP_25:2023
		Determination of metals in Feed samples by ICPMS – Cadmium as Cd	VTZ_LAB_SOP_25:2023
		Determination of metals in Feed samples by ICPMS – Lead as Pb	VTZ_LAB_SOP_25:2023
Chemical: Marine & Aquaculture Food Products	Fish & Fish Products, Crustaceans, Cephalopods	Total Solids in sea food (gravimetric Method)- Moisture	952.08, Chapter 35, AOAC 21 st Edition:2019 Method A
		Crude Fat in sea food (Acid hydrolysis method)	948.15, Chapter 35, AOAC 21 st Edition:2019
		Total Nitrogen in sea food	940.25, Chapter 35, AOAC 21 st Edition:2019
		Total Ash in sea food	938.08, Chapter 35, AOAC 21 st Edition:2019
		Salt (Chlorine as Sodium Chloride in sea food)	937.09, Chapter 35, AOAC 21 st Edition:2019
		SOP for Determination of Total Volatile Base Nitrogen in Fish & Fishery products – TVBN	LAB_P_SOP_129: 2021
		Sulphites in foods (Optimized Monier – Williams method) – Sulphur dioxide	990.28, Chapter 47, AOAC 21 st Edition:2019
		Meat & Meat products – Methods of test Polyphosphates	IS:5960 (Part 13):1988 /ISO5553:1980
		SOP for estimation of Phosphorous in sea food- Total Phosphate	Lab_P_SOP_190:2021
		Acid Insoluble Ash	IS 14950 Annex F

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Marine & Aquaculture Food Products (cont'd.)	Fish & Fish Products, Crustaceans, Cephalopods (cont'd.)	Determination of Metals in Food samples Annexure-II - Copper	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Zinc	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Sodium	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Tin	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Mercury	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Arsenic	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Lead	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Cadmium	Lab_P_SOP_036: 2018
		Determination of Chromium & Nickel in sea food samples- Chromium	VTZ_LAB_SOP_012: 2021
	Determination of Chromium & Nickel in sea food samples- Nickel	VTZ_LAB_SOP_012 :2021	
	Cephalopods	Determination of Metals in Food samples Annexure-II - Lead	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Cadmium	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Mercury	Lab_P_SOP_036: 2018
		Determination of Metals in Food samples Annexure-II - Arsenic	Lab_P_SOP_036: 2018
	Fish Muscle	Determination of Metals in Food samples, Annexure-II - Lead	Lab_P_SOP_036: 2018

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Marine & Aquaculture Food Products (cont'd.)	Fish Muscle (cont'd.)	Determination of Metals in Food samples, Annexure-II - Cadmium	Lab_P_SOP_036: 2018
	Fish & Fish Products, Crustaceans, Cephalopods	Determination of metals in food samples by ICPMS- Copper as Cu	VTZ_LAB_SOP_025:2023
		Determination of metals in food samples by ICPMS- Zinc as Zn	VTZ_LAB_SOP_025:2023
		Determination of metals in food samples by ICPMS- Tin as Sn	VTZ_LAB_SOP_025:2023
		Determination of metals in food samples by ICPMS- Mercury as Hg	VTZ_LAB_SOP_025:2023
		Determination of metals in food samples by ICPMS- Arsenic as As	VTZ_LAB_SOP_025:2023
		Determination of metals in food samples by ICPMS- Cadmium as Cd	VTZ_LAB_SOP_025:2023
		Determination of metals in food samples by ICPMS- Lead as Pb	VTZ_LAB_SOP_025:2023
		Determination of metals in food samples by ICPMS- Chromium as Cr	VTZ_LAB_SOP_025:2023
		Determination of metals in food samples by ICPMS- Nickel as Ni	VTZ_LAB_SOP_025:2023
		Determination of Methyl mercury in food and feed by LC ICPMS – Methyl Mercury as CH ₃ Hg	VTZ_LAB_SOP_027:2023
Chemical: Water	Drinking Water, Packaged Drinking	Methods of sampling and test (Physical & Chemical)	IS: 3025 Part (4):1983, RA-2012 (Clause 2)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Water (cont'd.)	Water, Mineral Water, Process Water	for water & Wastewater - Part 4 - Colour	
		Colour – Visual Comparison method	2120 B of APHA 23 rd Edition 2017
		Methods of sampling and test (Physical & Chemical) for water & Wastewater – Part 16 - Filterable Residue (Total dissolved solids)	IS: 3025 Part (16) :1984, RA-2012
		Total Dissolved solids Dried at 180 °C	2540 C of APHA 23 rd Edition 2017
		Methods of sampling and test (Physical & Chemical) for water & Wastewater – Part 5 -Odour	IS: 3025 PART (5) :2018
		Threshold Odor test - Odour	2150 B of APHA 23 rd Edition 2017
		Methods of sampling and test (Physical & Chemical) for water & Wastewater – Part 10-Turbidity	IS: 3025 PART (10) :1984, RA-2012
		Methods of sampling and test (Physical & Chemical) for water & Wastewater - Taste	IS:3025 PART (8) :1984, RA-2012
		Taste (Flavour rating Assessment)	2160 C of APHA 23 rd Edition 2017
		Turbidity-Nephelometric Method	2130 B of APHA 23 rd Edition 2017
		Determination of Metals in Water by AAS - Aluminum	Lab_P_SOP_037:2021
		Methods of sampling and test (Physical & Chemical) for water & Wastewater -part 57(Clause 6) - Boron	IS: 3025 PART (57) : 2005
		Determination of Metals in Water by AAS - Boron	Lab_P_SOP_037:2021
		Methods of sampling and test (Physical & Chemical) for water & Wastewater - part 26(Clause 4) – Chlorine, Residual	IS: 3025 PART (26) :1986, RA-2019
Methods of sampling and test (Physical & Chemical)	IS: 3025 PART (52) : 2003, RA-2019 (Clause 6)		

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Water (cont'd.)	Drinking Water, Packaged Drinking Water, Mineral Water, Process Water (cont'd.)	for water & Wastewater – Part 52- Hexavalent chromium	
		Colorimetric Method - Hexavalent chromium	3500 Cr B of APHA 23 rd Edition2017
		Methods of sampling and test (Physical & Chemical) for water & Wastewater – Part 34(Clause 4.6.1) – Nitrites (Nitrogen)	IS: 3025 Part (34): 1988, RA-2019
		Colorimetric Method - Nitrites	4500 NO ₂ B of APHA 23 rd Edition2017
		Methods of sampling and test (Physical & Chemical) for water & Wastewater - part 11- pH value	IS: 3025 Part (11): 1983, RA-2017
		Electrometric Method – pH Value	4500 H+ B of APHA 23 rd Edition2017
		Methods of sampling and test (Physical & Chemical) for water & Wastewater – Part 21(Clause -5.0)- Hardness (as CaCO ₃)	IS: 3025 Part (21): 2009, RA-2019
		EDTA Titrimetric Method - Hardness	2340 C of APHA 23 rd Edition2017
		Determination of Metals in Water by AAS -Copper (as Cu)	Lab_P_SOP_037 :2021
		Determination of Metals in Water by AAS – Iron as Fe	Lab_P_SOP_037:2021
		Determination of Metals in Water by AAS-Manganese (as Mn)	Lab_P_SOP_037:2021
		Ultraviolet Spectrophotometric Screening Method - Nitrate (Nitrogen)	4500 NO ₃ B of APHA 23 rd Edition:2017
		SPADNS Method - Fluoride (as F)	4500- F- D of APHA 23 rd Edition:2017
		Determination of Metals in Water by AAS - Zinc (as Zn)	Lab_P_SOP_037:2021
Determination of Metals in Water by AAS -Nickel (as Ni)	Lab_P_SOP_037:2021		

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical: Water (cont'd.)	Drinking Water, Packaged Drinking Water, Mineral Water, Process Water (cont'd.)	Methods of sampling and test (Physical & Chemical) for water & Wastewater – Part 32(Clause -2) - Chloride	IS: 3025 Part (32) : 1988, RA-2019
		Argentometric Method - Chloride	4500 Cl- B of APHA 23 rd Edition 2017
		Determination of Metals in Water by AAS-Selenium (as Se)	Lab_P_SOP_037:2021
		Methods of sampling and test (Physical & Chemical) for water & Wastewater – Part 14 -Specific Conductance	IS:3025(Part-14):2013, RA - 2019
		Electrical Conductivity Method - Conductivity	2510B, APHA23 rd Edition 2017
		Water Quality – Determination of Permanganate Index - Oxidisability	ISO 8467:1993
		Total Organic Carbon	Lab_P_SOP_271: 2018
		Bromate in Water	Lab_P_SOP_146 :2020
		Methods of sampling and test (Physical & Chemical) for water & Wastewater – Part 24 (Clause 4) Turbidity Method - Sulphates (as SO ₄)	IS: 3025 Part (24): 1986
		Turbidimetric Method – Sulphates	4500-SO ₄ – E of APHA 23 rd Edition 2017
		Methods of sampling and test (Physical & Chemical) for water & Wastewater – Part 23-Alkalinity (as CaCO ₃)	IS : 3025 Part (23) : 1986, RA-2019
		Titration Method - Alkalinity	2320 B of APHA 23 rd Edition2017
		Methods of sampling and test (Physical & Chemical) for water & Wastewater – Part 15-Total Solids	IS: 3025 Part (15): 1984, RA-2019
		Methods of sampling and test (Physical & Chemical) for water & Wastewater –	IS: 3025 Part (40): 1991, RA-2019

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical: Water (cont'd.)	Drinking Water, Packaged Drinking Water, Mineral Water, Process Water (cont'd.)	Part 40 (Clause 5) - Calcium	
		EDTA Titrimetric method - Calcium	3500 - Ca B of APHA 23 rd Edition 2017
		Methods of sampling and test (Physical & Chemical) for water & Wastewater – Part 15 (Clause 6) - Phenols	IS: 3025 Part (43): 1992, RA-2019
		Chloroform Extraction Method - Phenol	5530 C of APHA 23 rd Edition 2017
		Determination of Metals in Water by AAS - Mercury (as Hg)	Lab_P_SOP_037:2021
		Determination of Metals in Water by AAS-Cadmium (as Cd)	Lab_P_SOP_037:2021
		Determination of Metals in Water by AAS -Arsenic (as As)	Lab_P_SOP_037:2021
		Determination of Metals in Water by AAS-Lead (as Pb)	Lab_P_SOP_037:2021
		Determination of Metals in Water by AAS-Chromium (as Cr)	Lab_P_SOP_037:2021
		Packaged Natural Mineral Water-Specification (Annexure F) – Barium	IS 13428: 2005 RA 2018
		Determination of Metals in Water by AAS-Barium (as Ba)	Lab_P_SOP_037:2021
		Methods of sampling and test (Physical & Chemical) for water & Wastewater – Part 46 (Clause 6) - Magnesium	IS: 3025 Part (46): 1994, RA-2019
		Calculation Method - Magnesium	3500- Mg B of APHA 23 rd Edition 2012
		Determination of Metals in Water by AAS-Sodium (as Na)	Lab_P_SOP_037
Determination of Metals in Water by AAS-Silver as Ag	Lab_P_SOP_037:2021		

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical: Water (cont'd.)	Drinking Water, Packaged Drinking Water, Mineral Water, Process Water (cont'd.)	Packaged Natural Mineral Water-Specification (Annexure - K) - Anionic Surface active Agents as MBAS	IS: 13428:2005, RA-2018
		Anionic Surfactants as MBAS	5540 C of APHA 23 rd Edition2017
		Methods of sampling and test (Physical & Chemical) for water & Wastewater – Part 29 (Clause 2) - Sulphide	IS: 3025 Part (29): 1986, RA-2019
		Iodometric Method - Sulphide	4500 S ²⁻ - F of APHA 23 rd Edition2017
		Determination of Metals in Water by AAS-Antimony as Sb	Lab_P_SOP_037:2021
		Methods of sampling and test (Physical & Chemical) for water & Wastewater – Part 27-Cyanide as CN	IS:3025 Part (27) :1986, RA-2019
		Total Cyanide	4500 CN ⁻ E of APHA 23 rd Edition2017
		Methods of sampling and test (Physical & Chemical) for water & Wastewater - part 26 (Clause 4) - Chloramines as Cl ₂	IS: 3025 PART (26) :1986, RA-2019
		Methods of sampling and test (Physical & Chemical) for water & Wastewater – Part 34 (Clause 2.5) - Ammonia (Ammoniacal Nitrogen)	IS :3025 Part (34):1988, RA-2019
		Titrimetric Method - Ammonia	4500 –NH ₃ C of APHA 23 rd Edition2017
		Methods of sampling and test (Physical & Chemical) for water & Wastewater - part 38 (Clause 4) - Dissolved oxygen	IS 3025 (Part 38): 1989, RA-2019
		Determination of Trace Metals in Water by ICPMS- Aluminium as Al	VTZ _LAB_SOP_24:2023
		Determination of Trace Metals in Water by ICPMS-	VTZ _LAB_SOP_24:2023

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Water (cont'd.)	Drinking Water, Packaged Drinking Water, Mineral Water, Process Water (cont'd.)	Boron as B	
		Determination of Trace Metals in Water by ICPMS- Copper as Cu	VTZ_LAB_SOP_24:2023
		Determination of Trace Metals in Water by ICPMS- Iron as Fe	VTZ_LAB_SOP_24:2023
		Determination of Trace Metals in Water by ICPMS- Manganese as Mn	VTZ_LAB_SOP_24:2023
		Determination of Trace Metals in Water by ICPMS- Zinc as Zn	VTZ_LAB_SOP_24:2023
		Determination of Trace Metals in Water by ICPMS- Nickel as Ni	VTZ_LAB_SOP_24:2023
		Determination of Trace Metals in Water by ICPMS- Selenium as Se	VTZ_LAB_SOP_24:2023
		Determination of Trace Metals in Water by ICPMS- Mercury as Hg	VTZ_LAB_SOP_24:2023
		Determination of Trace Metals in Water by ICPMS- Cadmium as Cd	VTZ_LAB_SOP_24:2023
		Determination of Trace Metals in Water by ICPMS- Arsenic as As	VTZ_LAB_SOP_24:2023
		Determination of Trace Metals in Water by ICPMS- Lead as Pb	VTZ_LAB_SOP_24:2023
		Determination of Trace Metals in Water by ICPMS- Chromium as Cr	VTZ_LAB_SOP_24:2023
		Determination of Trace Metals in Water by ICPMS- Barium as Ba	VTZ_LAB_SOP_24:2023
		Determination of Trace Metals in Water by ICPMS- Sodium as Na	VTZ_LAB_SOP_24:2023
		Determination of Trace Metals in Water by ICPMS- Silver as Ag	VTZ_LAB_SOP_24:2023
Determination of Trace Metals in Water by ICPMS-	VTZ_LAB_SOP_24:2023		

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical: Water (cont'd.)	Drinking Water, Packaged Drinking Water, Mineral Water, Process Water (cont'd.)	Antimony as Sb	
		Determination of Trace Metals in Water by ICPMS- Molybdenum as Mo	VTZ_LAB_SOP_24:2023
		Determination of Trace Metals in Water by ICPMS- Uranium as U	VTZ_LAB_SOP_24:2023
		Analysis of Halo acetic acids: monobromoacetic acid (MBAA), dibromoacetic acid (DBAA), tribromoacetic acid (TBAA), monochloroacetic acid (MCAA), dichloroacetic acid (DCAA), trichloroacetic acid (TCAA), bromo chloroacetic acid (BCAA), chlorodibromoacetic acid (CDBAA) and bromodichloroacetic acid (BDCAA) in water	VTZ_LAB_SOP_038
Chemical Residues: Food	Marine / Aqua Culture Food Products - Crustaceans (Shrimp, Prawn & their products), Fish & Fish products	Determination of Chloramphenicol & Florfenicol in Marine / Aqua culture Food Products -Crustaceans (Shrimp, Prawn & their products), Fish & Fish products by LCMS/MS	VTZ_LAB_SOP_004:2022
		Determination of Nitrofurans Metabolites: 1-aminohydantoin (AHD), 3-amino-5-morpholinomethyl-2-oxazolidinone (AMOZ), 3-amino-2-oxazolidinone (AOZ), semi carbazide (SEM), 3,5 dinitro salicylic Acid Hydrazide (DNSH) in Marine /Aqua culture Food Products -Crustaceans (Shrimp, Prawn & their products), Fish & Fish products by LCMS/MS	LAB_P_SOP_44:2023
		Determination of Tetracyclines:	VTZ_LAB_SOP_005:2022

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical Residues: Food (cont'd.)	Marine / Aqua Culture Food Products - Crustaceans (Shrimp, Prawn & their products), Fish & Fish products (cont'd.)	Tetracycline (expressed as sum of Tetracycline and it's 4-epimer), Oxytetracycline (expressed as sum of Oxytetracycline and it's 4-epimer), Chlortetracycline (expressed as sum of Chlortetracycline and it's 4-epimer) & Doxycycline in Marine / Aqua culture Food Products -Crustaceans (Shrimp, Prawn & their products), Fish & Fish products by LCMS/MS	
		Determination of Quinolones & Fluoroquinolones: Oxolinic Acid, Sarafloxacin, Flumequine, Danofloxacin, Difloxacin, Enrofloxacin (Sum of Enrofloxacin and Ciprofloxacin), Nalidixic acid, Norfloxacin, Ofloxacin in Marine / Aqua culture Food Products - Crustaceans (Shrimp, Prawn & their products), Fish & Fish products by LCMS/MS	VTZ_LAB_SOP_005:2022
		Determination of Sulphonamides: Sulfachloropyridazine, Sulfamethoxypyridazine, Sulfadimethoxine, Sulfamethizole, Sulfamethoxazole, Sulfadiazine, Sulfamethazine, Sulfamerazine, Sulfathiazole, Sulfa pyridine, Sulfadoxine, Sulfisoxazole, Sulfaquinoxaline, Trimethoprim, in Marine / Aqua culture Food Products -Crustaceans (Shrimp, Prawn & their products), Fish & Fish products by LCMS/MS	VTZ_LAB_SOP_005:2022

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical Residues: Food (cont'd.)	Marine / Aqua Culture Food Products - Crustaceans (Shrimp, Prawn & their products), Fish & Fish products (cont'd.)	Determination of Anthelmintics: Ivermectin and Emamectin in Marine / Aqua culture Food Products -Crustaceans (Shrimp,Prawn & their products), Fish &Fish products by LCMS/MS	Lab_P_SOP_315:2021
		Determination of Nitrofurans parent: Nitrofurazone, Nitrofurantoin, Furaltadone, Furazolidone, Nifursol in Marine / Aqua culture Food Products -Crustaceans (Shrimp,Prawn & their products), Fish &Fish products by LCMS/MS	Lab_P_SOP_96:2023
		Determination of Dyes: Crystal violet, Leuco Crystal Violet, Leuco Malachite Green, Malachite green in Marine /Aqua culture Food Products - Crustaceans (Shrimp, Prawn & their products), Fish &Fish products by LCMS/MS	LAB_P_SOP_148:2023
		Determination of Nitroimidazole and other pharmacologically Active substance: Metronidazole-OH, HydroxyDimetronidazole (Hmni), Ronidazole, Metronidazole, Dimetronidazole, Dapsone, Clenbuterol, Carbadox, Ipronidazole-OH, Ipronidazole, Sulfamethoxazole, Colchicine, Aristolochic Acid A in Marine /Aqua culture Food Products - Crustaceans (Shrimp, Prawn & their products), Fish &Fish products by LCMS/MS	VTZ_LAB_SOP_013:2021

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical Residues: Food (cont'd.)	Marine / Aqua Culture Food Products - Crustaceans (Shrimp, Prawn & their products), Fish & Fish products (cont'd.)	Determination of 4-Hexylresorcinol in Crustaceans (Shrimp, Prawn & their products), Fish & Fish products by UPLC-FLD	VTZ_LAB_SOP_006:2020
		Determination of Histamine in Crustaceans (Shrimp, Prawn & their products), Fish & Fish products by UPLC-DAD	VTZ_LAB_SOP_008:2020
		Determination of Indole in Crustaceans (Shrimp, Prawn & their products), Fish & Fish products by UPLC-FLD	VTZ_LAB_SOP_007:2020
		Determination of Melamine in Crustaceans (Shrimp, Prawn & their products), Fish & Fish products by LCMS/MS	VTZ_LAB_SOP_023:2023
		Determination of Pesticides Residues: Alpha – HCH, Beta – HCH, Gamma - HCH(Lindane), Delta – HCH, Aldrin, Dieldrin, Endrin, o, p DDT, p, p DDT, o, p DDE, p,p DDE, o,p DDD, p,p DDD, Heptachlor, Heptachlor epoxide, Trans-Chlordane, Cis-Chlordane, HCB, Pendimethalin, Trifluralin, Ethoxyquin , Ethoxyquin Dimer ,Alachlor, Aldicarb, Aldicarb Sulfoxide, Aldicarb Sulfone, Atrazine, Butachlor, Captafol, Carbaryl, Carbofuran, Carbofuran - 3 hydroxy, Chlordecone, Chlorpyrifos, Coumaphos, Cypermethrin, Deltamethrin, Diazinon, Dichlorvos, Dicrotophos (Bidrin), Dimethoate, Diuron, Fenitrothion, Fenthion, Fenthion Sulfone, Fenvalerate, Formothion, Isodrin, Malaoxon,	VTZ_LAB_SOP_014 :2021

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical Residues: Food (cont'd.)	Marine / Aqua Culture Food Products - Crustaceans (Shrimp, Prawn & their products), Fish & Fish products (cont'd.)	Malathion, Methomyl, Methyl Parathion, Mirex, Monocrotophos, Paraoxon-methyl, Parathion, Perthane, Phorate, Phorate Sulfone, Phorate-sulfoxide, Phosalone, Phosphomidon, Pyrethrins, Quinalphos, Simazine, Toxaphene, Fluridone. Endosulfan α , Endosulfan- β , Endosulfan-Sulfate, Ethion in Marine / Aqua culture Food Products -Crustaceans (Shrimp,Prawn & their products), Squids, Cuttle Fish, Fish &Fish products by LCMS/MS and GCMS/MS	
		Determination of Poly Aromatic Hydrocarbons PAH's: Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Anthracene, Phenanthrene, Pyrene, Benz (a) anthracene, Chrysene, Benzo (b) fluoranthene, Benzo (j) fluoranthene, Benzo (k) fluoranthene, Benzo (a) pyrene, Benzo (e) pyrene, Benzo (g,h,i) perylene, Dibenzo (a, h) anthracene, Indeno (1,2,3-cd) pyrene, Fluoranthene in Marine / Aqua culture Food Products - Crustaceans (Shrimp,Prawn & their products), Squids, Cuttle Fish, Fish &Fish product by GCMS/MS	VTZ _LAB_SOP_014:2021
		Determination of Polychlorinated biphenyls PCB's: 2,4,4-Trichlorobiphenyl (PCB 28), 2,2,5,5-Tetrachlorobiphenyl (PCB 52),	VTZ _LAB_SOP_014:2021

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemical Residues: Food (cont'd.)	Marine / Aqua Culture Food Products - Crustaceans (Shrimp, Prawn & their products), Fish & Fish products (cont'd.)	2,2,4,5,5-Pentachlorobiphenyl (PCB 101), 2,2,3,4,4,5-Hexachlorobiphenyl (PCB 138), 2,2,4,4,5,5-Hexachlorobiphenyl (PCB 153), 2,2,3,4,4,5,5-Heptachlorobiphenyl (PCB 180) in Marine / Aqua culture Food Products - Crustaceans (Shrimp,Prawn & their products), Squids, Cuttle Fish, Fish & Fish product by GCMS/MS	
Chemical Residues: Water	Water (Drinking Water/Packaged Drinking Water/Mineral Water/Process Water)	Determination of Pesticides Residues: Alpha – HCH, Beta – HCH, Gamma - HCH(Lindane), Delta – HCH o,p DDD, p,p DDD, o,p DDT, p,p DDT, o,p DDE, p,p DDE, Endosulfan α, Endosulfan-β, Endosulfan-Sulfate, Monocrotophos, Ethion, Chlorpyrifos, Phorate, Phorate Sulfoxide, Phorate Sulfone, 2, 4-D, Butachlor, Isoproturon, Alachlor, Atrazine, Methyl parathion, Methyl paraxon, Malathion, Malaoxon, Aldrin , Dieldrin, Endrin, HCB, Heptachlor, Heptachlor epoxide, Simazine, Parathion, Captafol, Carbaryl, Chlordecone, Coumaphos, Cypermethrin, Deltamethrin, Diazinon, Dicrotophos, Dimethoate, Diuron, Fenvalerate, Fluridone, Isodrin, Mirex, Pendimethalin, Perthane, Phosalone, Phosphomidon, Pyrethrins, Quinalphos, Toxaphene, Trifluralin, Cis-Chlordane, Trans-Chlordane in Water (Drinking water/Packaged	VTZ_ LAB_SOP_015:2021

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical Residues: Water (cont'd.)	Water (Drinking Water/Packaged Drinking Water/Mineral Water/Process Water) (cont'd.)	drinking water/Mineral water/Process water) by LCMS/MS and GCMS/MS	
		Determination of Poly Aromatic Hydrocarbons: Benzo(a)pyrene, Benzo (b) fluoranthene, Benzo (g,h,i) perylene, Benzo (k) fluoranthene, Indeno(1,2,3-cd) pyrene in Water (Drinking water/Packaged drinking water/Mineral water/Process water) GCMS/MS	VTZ_LAB_SOP_015:2021
		Determination of Polychlorinated biphenyls: 2,4,4-Trichlorobiphenyl (PCB 28), 2,2,5,5-Tetrachlorobiphenyl (PCB 52), 2,2,4,5,5-Pentachlorobiphenyl (PCB 101), 2,2,3,4,4,5-Hexachlorobiphenyl (PCB138), 2,2,4,4,5,5-Hexachlorobiphenyl (PCB153), 2,2,3,4,4,5,5-Heptachlorobiphenyl (PCB 180) in Water (Drinking water/Packaged drinking water/Mineral water/Process water) by GCMS/MS	VTZ_LAB_SOP_015:2021
		Determination of Acrylamide in Water (Drinking water/Packaged drinking water/Mineral water/Process water) by LCMS/MS	LAB_P_SOP_279:2022
		Determination of volatile organic compounds (VOCs): Benzene, Epichlorohydrin, 1, 2 – dichloroethane,	LAB_P_SOP_280:2022

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical Residues: Water (cont'd.)		Tetrachloroethene, Chloroform, Bromoform, Dibromochloromethane, Bromodichloromethane, Trichloroethene, Vinyl Chloride	
Chemical Residues: Animal Food & Feeds	Animal Food and Feed Products	Determination of Chloramphenicol in Animal food and feed products by LCMS/MS	VTZ_LAB_SOP_018:2023
		Determination of Nitrofurans Metabolites: 1-aminohydantoin (AHD), 3-amino-5-morpholinomethyl-2-oxazolidinone (AMOZ), 3-amino-2-oxazolidinone (AOZ), semi carbazide (SEM), 3,5 dinitro salicylic Acid Hydrazide (DNSH) in animal food and feed products by LCMS/MS	VTZ_LAB_SOP_019:2023
		Determination of Nitrofurans parent: Nitrofurazone, Nitrofurantoin, Furaltadone, Furazolidone, Nifursol in animal food and feed products by LCMS/MS	VTZ_LAB_SOP_020:2023
		Determination of Tetracyclines: Tetracycline (expressed as sum of Tetracycline and it's 4-epimer), Oxytetracycline (expressed as sum of Oxytetracycline and it's 4-epimer), Chlortetracycline (expressed as sum of Chlortetracycline and it's 4-epimer) & Doxycycline in animal food and feed products by LCMS/MS	VTZ_LAB_SOP_021:2023
		Determination of Quinolones & Fluoroquinolones: Oxolinic Acid, Sarafloxacin, Flumequine, Danofloxacin, Difloxacin, Enrofloxacin (Sum of Enrofloxacin and	VTZ_LAB_SOP_021:2023

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical Residues: Animal Food & Feeds (cont'd.)	Animal Food and Feed Products (cont'd.)	Ciprofloxacin), Nalidixic acid, Norfloxacin, Ofloxacin in Animal food and feed products by LCMS/MS	
		Determination of Sulphonamides: Sulfachloropyridazine, Sulfamethoxypyridazine, Sulfadimethoxine, Sulfamethizole, Sulfamethoxazole, Sulfadiazine, Sulfamethazine, Sulfamerazine, Sulfathiazole, Sulfa pyridine, Sulfadoxine, Sulfisoxazole, Sulfaquinolaxine, Trimethoprim, in animal food and feed products by LCMS/MS	VTZ_LAB_SOP_021;2023
		Determination of Pesticides Residues: Alpha – HCH, Beta – HCH, Gamma - HCH(Lindane), Delta – HCH, Aldrin, Dieldrin, Endrin, o, p DDT, p, p DDT, o, p DDE, p,p DDE, o,p DDD, p,p DDD, Heptachlor, Heptachlor epoxide, Trans-Chlordane, Cis-Chlordane, Hexachlorobenzane, Pendimethalin, Trifluralin, Ethoxyquin , Ethoxyquin Dimer, Alachlor, Atrazine, Butachlor, Captafol, Carbaryl, Chlordecone, Chlorpyrifos, Coumaphos, Cypermethrin, Deltamethrin, Diazinon, Dichlorvos, Dimethoate, Fenitrothion, Fenvalerate, Formothion, Isodrin, Malathion, Methyl Parathion, Mirex, Methyl paraoxon, Parathion, Perthane, Phorate, Phorate Sulfone, Phorate-sulfoxide,	VTZ_LAB_SOP_022:2023

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemical Residues: Animal Food & Feeds (cont'd.)	Animal Food and Feed Products (cont'd.)	Phosalone, Quinalphos, 2,4-D, Toxaphene, Endosulfan α , Endosulfan- β , Endosulfan-Sulfate, Ethion in animal food and feed products by LCMS/MS and GCMS/MS	
		Determination of Polychlorinated biphenyls PCB's: 2,4,4-Trichlorobiphenyl (PCB 28), 2,2,5,5-Tetrachlorobiphenyl (PCB 52), 2,2,4,5,5-Pentachlorobiphenyl (PCB 101), 2,2,3,4,4,5-Hexachlorobiphenyl (PCB 138), 2,2,4,4,5,5-Hexachlorobiphenyl (PCB 153), 2,2,3,4,4,5,5-Heptachlorobiphenyl (PCB 180) in animal food and feed products by GCMS/MS	VTZ_LAB_SOP_022:2023
		Determination of Melamine in animal food and feed products by LCMS/MS	VTZ_LAB_SOP_023:2023
		Determination of Aflatoxins (G2,G1, B2,B1) in animal food and feed products by UPLC FLD	VTZ_LAB_SOP_026:2023