



CERTIFICATE OF ACCREDITATION

This is to attest that

KUWAIT INTERNATIONAL LABORATORY LABCO

SULAIBIYA INDUSTRIAL AREA 2 – BLOCK NO. (1)
KUWAIT 92201, KUWAIT

Testing Laboratory TL-947

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 June 10, 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

KUWAIT INTERNATIONAL LABORATORY LABCO

www.labco-kw.com

Contact Name Ayat Loufi

Contact Phone +965-99961004

Accredited to ISO/IEC 17025:2017

Effective Date June 10, 2024

Water and Solids	
US EPA 8260 B	Standard operating procedure for the determination of Volatile Organic Compounds (VOCs) in water and solids by GC-MS (18 compounds): Tri chloro ethylene, Tetrachloroethylene, Chlorobenzene, Ethyl Benzene, P-Xylene, Styrene, O-Xylene, Iso Propylbenzene, Propylbenzene, Bromobenzene, Chlorotoluene, 1,3,5 Trimethylebenzene, Dichlorobenzene, Isopropyle toluene, Butyle benzene, 1,3,5 Trichlorobenzene, Hexachlorobutadine, Naphthalene
US EPA 8270C	Standard operating procedure for the determination of Semi-Volatile Organic Compounds (SVOCs) in water and solids by GC-MS (58 compounds): Phenol., Bis(2-chloroethyl) ether, Naphthalene, Benzene, 1, 4-dichloro- , Benzene, 1, 2-dichloro- , 1,4-Dichlorobenzene-D4, Benzyl alcohol, Phenol, 2-methyl- , Bis (2-chloro-1-methylethyl) ether, P-Cresol, Ethane, hexachloro- , Isophorone, Nitrobenzene-D5, 2-Nitrophenyl acetate, Phenol, 4-chloro-3-methyl, Phenol, 2, 4-dimethyl, Methane, bis (2-chloroethoxy) , Dimethyl phthalate, Benzene, 1, 2, 4-trichloro, Naphthalene-D8, Phenol, 2-chloro, P-Chloroaniline, Hexachlorobutadiene, 2-Methylnaphthalene, Hexachlorocyclopentadiene, 2-4-6-Trichlorophenol, 2-4-5-Trichlorophenol, 2-chloro-Napthalene, 2-Nitroaniline, Acenaphthylene, Phenol, 2, 4-dichloro, Acenaphthene-d10, 2, 4-Dinitrotoluene, Acenaphthene, Dibenzofuran, 2, 6-Dinitrotoluene, Di-n-butyl phthalate, Fluorene, Azobenzene, 4-ChlorophenylPhenylEther, 4-Nitroaniline, Benzene, nitro, 2, 4, 6-tribromo-Phenol, 4-Bromophenyl phenyl ether, Hex chlorobenzene, Pentachlorophenol, Phenanthrene-D10, Phenanthrene, Carbazole, Pyrene, Fluoranthene, p-Terphenyl-d14, Chrysene-D12, Chrysene, Benz (a) anthracene, Benzo (k) flouranthene, Perylene-D12
Water/Wastewater	
APHA 2130 B:2017	Determination of turbidity
APHA 2320 B:2017	Determination of Alkalinity (as CaCO ₃)
APHA 2340 C:2017	Determination of Total Hardness
APHA 2510 B:2017	Determination of conductivity
APHA 2540 C:2017	Determination of Total Dissolved Solids – TDS
APHA 2540 D:2017	Determination of Total Suspended Solids

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APHA 3125:2017	Determination of Heavy metals (20 element) (Beryllium, Titanium, Vanadium, Chromium, Manganese, Cobalt, Nickel, Copper, Zinc, Arsenic, Selenium, Strontium, Molebedenyim, Silver, Cadmium, Tin, Antimony, Barium, Thallium, Lead and Iron)
APHA 3125B	Determination of Total Phosphorus
APHA 4500-Cl ⁻ E:2017	Determination of Chloride
APHA 4500-Cl ₂ G:2017	Determination of Free Chlorine
APHA 4500-Cl ₂ G: 2017	Determination of Total Chlorine
APHA 4500-CN E:2017	Determination of Free Cyanide
APHA 4500 H ⁺ B 2017	Determination of pH
APHA 4500-N:2017	Determination of Total Kjeldahl Nitrogen
APHA 4500-NO ₂ B:2017	Determination of Nitrite
APHA 4500S ⁻²	Determination of Sulfides
By Calculation	Determination of Total Oxidised Nitrogen (TON)
DIN 38 409 - H41-1 2002	Determination of COD
DIN-EN 1899-1-H51	Determination of BOD (5 days)
DIN EN ISO 6878-D11	Determination of Ortho-Phosphate PO ₄ ³⁻
DIN EN ISO 7887-C1-3	Determination of Color
DIN 38405-D9-2	Determination of Nitrate
EN ISO 11905-1 (Issue 1997-05)	Determination of Nitrogen (Total)
EPA 160.1:1971 HANNA Instrument	Determination of Total Dissolved Solids – TDS
EPA 200.8	Determination of Tin
EPA 200.8:1994	Determination of Heavy metals (20 element) (Beryllium, Titanium, Vanadium, Chromium, Manganese, Cobalt, Nickel, Copper, Zinc, Arsenic, Selenium, Strontium, Molebedenyim, Silver, Cadmium, Tin, Antimony, Barium, Thallium, Lead and Iron)
EPA 330.5:1978	Determination of Free Chlorine
EPA 330.5:1978	Determination of Total Chlorine
EPA 335.2:1980	Determination of Free Cyanide
EPA 340.3: 1971	Determination of Fluoride

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EPA 350.1: 1993	Determination of Ammonium
EPA 365.1: 1993	Determination of Soluble reactive phosphorus (SRP)
EPA 370.1: 1978	Determination of Silicate
EPA 375.4: 1978	Determination of Sulphate
EPA 6020A	Determination of Tin
ISO 6703	Determination of Free Cyanide
ISO 7890-11986	Determination of Nitrate
ISO 15705-H45:2002	Determination of COD
ISO 15923-1-2019	Determination of Ammonium
ISO 15923-1-2017	Determination of Calcium (Ca ²⁺)
ISO 15923-1-2017	Determination of Magnesium (Mg ²⁺)
ISO 15923-1:2019	Determination of Silicate
ISO 15923-1-2019	Determination of Soluble reactive phosphorus (SRP)
Cosmetics Analysis	
ISO 21392	Measurement of traces of heavy metals in cosmetics finished products by ICP MS: (Arsenic- Antimony-Barium-Beryllium-Boron-Cadmium-Chromium-Cobalt-Copper-Lead-Manganese-Mercury-Molybdenum-Nickel-Selenium- Silver-Tin-Strontium-Thallium-Titanium-Vanadium-Zinc)
Oils, Chemicals & Chemical Products	
ASTM D93	Determination of Flash Point by Pensky-Martens Closed Cup Tester
ASTM D4052	Density, Relative Density, and API Gravity of Liquids by Digital Density Meter
ASTM D7042	Standard Test Method for Dynamic Viscosity and Density of Liquids by Stabinger Viscometer (and the Calculation of Kinematic
EPA 1664 Rev. B	n-Hexane Extractable Material (TPH; Oil and Grease) and Silica Gel Treated n-Hexane Extractable Material by Extraction and Gravimetry
Soil, Sediment, Sludge & Solid Materials	
ASTM 4373-02/USEPA 1311	Determination of Carbonate Content (Alkalinity in soil samples).
ASTM D6919/USEPA 1311	Determination of Dissolved Alkali and Alkaline Earth Cations and Ammonium by Ion Chromatography (Calcium-Magnesium-Sodium-potassium-Ammonium)
ISO 10390	Determination of pH.
ISO 11261	Determination of Total Nitrogen-Modified Kjeldahl method

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ISO 11265	Determination of the specific electrical conductivity.
SW846-USEPA 6020B	Determination of Heavy metals in Soil samples: - (Arsenic- Barium-Beryllium-Boron-Cadmium-Chromium-Cobalt- Copper-Lead-Manganese-Mercury-Molybdenum-Nickel-Selenium- Silver-Tin-Strontium-Thallium-Titanium-Vanadium-Zinc)
SW846-USEPA 9071B	n-Hexane Extractable Material TPH (HEM).
USEPA 300.0 rev 2.1 Method B	Determination of Inorganic Anions by Ion Chromatography: - (Nitrate-Nitrite-Chloride-Sulphate)
Honey	
AOAC 945.27: 2019	Determination of pH
AOAC 958.09: 2019	Determination of Diastase
AOAC 962.19: 2019	Determination of free acidity
AOAC 981.12: 2019	Determination of pH
GSO 122: 1990	Determination of free acidity
Honey, Semi-solid Food, Liquid Food	
AOAC 969.38B: 2019	Determination of moisture
GSO 122: 1990	Determination of moisture
GSO 122: 1990	Determination of water insoluble solids
Food	
AOAC:977.20: 2019	Determination of Sugars (<i>Glucose, Fructose, Maltose, Sucrose and Lactose</i>)
AOAC 981.12: 2019	Determination of PH
AOAC:2015.01: 2019	Determination of <i>Heavy metals (14 metals) (Total Arsenic, Cadmium, Lead, Mercury, Chromium, Manganese, Cobalt, Copper, Zinc, Selenium, Molebedenyim, Tin, Iron, Antimony)</i>
Feed and Food	
Atwater method for food & NRC method for feed	Determination of Energy
Atwater method for food & NRC method for feed	Determination of Carbohydrate
AOAC 950.48:2019	Determination of Protein
AOAC 931.04:2019	Determination of Moisture
AOAC 934.01:2019	Determination of Moisture

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AOAC 942.05	Determination of Ash Content
AOAC 945.16:2019	Determination of Fat content
AOAC 978.04:2019	Determination of Protein
AOAC 984.13: 2019	Determination of Protein
AOAC 2001:11:2019	Determination of Protein
AOAC 2003.06: 2019	Determination of Fat content
GSO 285:2014	Determination of Ash Content
GSO 285:2014	Determination of Moisture
GSO 285:2014	Determination of Fat content
ISO 5984:2002	Determination of Ash Content
Food, Feed and Oils	
Agilent application note 5989-3760N	Determination of Saturated Fatty Acids
Agilent application note 5989-3760N	Determination of Mono-Unsaturated Fatty Acids
Agilent application note 5989-3760N	Determination of Poly-Unsaturated Fatty Acids
Agilent application note 5989-3760N	Determination of trans- Fatty Acids
Tomato Paste and Juices	
AOAC 942.15: 2019	Determination of Acidity as citric acid
Butter	
AOAC 960.29:2019	Determination of salt
Fruits and Fruits Products	
AOAC 920.151:2019	Determination of Total Solids
Fruits, Vegetables, Feed	
AOAC 2007.01: 2019	Determination of Pesticides (146 compound) (Dichlorovos, Propham, 2,Phenylphenol, Tecnazene, Diphenylamine, Chlorpropham, Diallate I, Phorate, BHC- Alpha, Diallate II, Hexachlorobenzene, BHC – Beta, BHC - gamma (Lindane), BHC – Delta, Chlorothalonil, Triallate, Chlorpyrifos methyl, Parathion methyl, Vinclozolin, Heptachlor, Fenchlorphos, Fenitrothion, Aldrin, Chlorpyrifos, Parathion, Heptachlor epoxide, Chlorfenvinphos, Folpet, Chlorbenside, Chinomethionate, Endosulphan I, Chlordane, cis, Nanochlor, trans, Chlorfenson, Dieldrin, Barban, Endrin,

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	Chlorbenzilate, DDT-o,p, DDT-p,p, Captafol, Resmethrin-cis, Bioresmethrin-trans, Iprodion, Phosmet, Bromopropylate, Methoxychlor p,p, Cypermethrin III Beta, Cypermethrin IV, Cypermethrin I, Cypermethrin II, Permethrin I, Permethrin II, Dioxathion, Flucythrinate I, Flucythrinate II, Esfenvelarate, Fenvelarate I, Fenvelarate II, Deltamethrin, Amitrole, Methamidophos, Daminozide, Methomyl, Cyromazine, Propham, Acephate, Carbendazim, Carbaryl, Thiobendazole, Propoxur, Aldicarb, Aminocyclopyrachlor, Omethoate, Monolinuron, Atrazine, Pymetrozine, Ethoxyquin, Carbofuran, Acetamiprid, Monocrotophos, Mevinphos, Dodine, Dimethoate, Methacrifos, Oxydemeton methyl, Propyzamide, Trichlorfon, Demton-S-methyl-Sulfon, Acetochlor, Ametoctradin, Metalaxyl M, Metalaxyl, Penconazole, Myclobutanil, Chloroxuron, Triadimefon, Triadimenol, Imazalil, Spiroxamine, Tridemorph, Phoxim, Phosphamidon, Bifenazate, Clofentezine, Fenpropimorph, Diazinon, Buprofezin, Pirimiphos ethyl, Hexaconazole, Kersoxim methyl, Triazophos, Azinphos methyl, Benalaxyl, Fenarimol, Malathion, Bitertanol, Propiconazole, Boscalid, Thiophanate methyl, Azinphos ethyl, Chlorpyrifos, Thiodicarb, Etoxazol, Cyhexatin, Phosalone, Azocyclotin, Profenofos, Pyrazophos, Prochloraz, Pyridate, Carbosulfan, Metsulfuron Methyl, Ethion, Triasulfuron, Azoxytrobine, Benfuracarb, Azimsulfuron, Flupyrsulfuron Methyl, Chlorantraniliprole, DNOc, 2,4-D, 2,4-DP(Dichloroprop), 2,4-DP_P(Dichloroprop_P), Bentazone, Dinoterb)
Microbiology of Food	
FDA/CFSAN BAM Chapter 3: 2001	Aerobic Plate Count
FDA/CFSAN BAM Chapter 16 2001	Clostridium perfringens
FDA/CFSAN BAM Chapter 18:2001	Yeast and Mold
ISO 4832:2006	Coliform
ISO 6579-1:2017	Salmonella spp.
ISO 6888-1:1999	Staphylococcus aureus
ISO 7932:2004	Bacillus cereus
ISO 11290-1:2017	Listeria monocytogenes
ISO 16649-2:2001	E.coli
ISO 21528-2:2017	Enterobacteriaceae
Microbiology of Water	
APHA 9222 D:2017 23rd ED	Fecal coliforms MF
APHA 9610 B:2017 23rd ED	Yeast and Mold

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ISO 7899-2:2000	Enumeration of Fecal streptococci (Enterococci)
ISO 11731:2017	Enumeration of Legionella
ISO 14189:2013	Clostridium perfringens
ISO 16266:2006	Pseudomonas aeruginosa
ISO 19250:2010	Salmonella
SM 9215B:2017 23rd ED	Aerobic Plate Count
SM 9222B:2017 23rd ED	Total coliform
US EPA 1603:2014	E. coli
WHO Chapter 10.3:1996	Fecal coliforms MPN
Microbiology of Surface Swab	
BAM Chapter 18 :2001	Yeast and Mold
ISO 4832:2006	Coliform
ISO 4833-1:2013	Total Plate Count
ISO 6888-1:1999	Staphylococcus aureus
ISO 16649-2:2001	E.coli
ISO 21528-2: 2017	Enterobacteriaceae
Microbiology of Cosmetics	
ISO 21149:2017	Enumeration and detection of - aerobic mesophilic bacteria
ISO 21150:2015	Detection of Escherichia coli
ISO 22718:2015	Detection of Staphylococcus aureus
Industrial Hygiene	
NIOSH 1501	BTEX
NIOSH 1500	n-Hexane
NIOSH 6016	Ammonia
NIOSH 6011	Chlorine
NIOSH 7906	Fluorides
NIOSH 6013	Hydrogen sulfide
NIOSH 7907	Hydrochloric acid
NIOSH 7908	Sulfuric acid

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NIOSH 7907	Nitric acid
NIOSH 600	Sulfur dust
NIOSH 600	Respirable dust (s/d+indoor)
NIOSH 500	Inhalable dust (s/d +indoor)
NIOSH 7300	Metal fumes