



SCOPE OF ACCREDITATION

IAS Accreditation Number	TL-765
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Effective Date of Scope	October 30, 2019
Accreditation Standard	ISO/IEC 17025:2017

Chemical and Environmental

Chemical, Oil, Soil, Water and Wastewater

AOAC 973.48, 1973	Determination of Nitrogen (Total) in water by using Kjeldahl Method
APHA-2120 C	Determination of true and apparent colour in water using spectrophotometric method
APHA-2130 B	Determination of Turbidity in water by Nephelometric method
APHA 2320 B	Determination of Alkalinity for water and soil samples by Titration method
APHA 2340 B	Determination of Total Hardness in water by calculation
APHA-2510 B	Determination of Electrical conductivity in water by using conductivity meter
APHA 2520-B	Determination of Salinity in water using Electrical Conductivity method
APHA-2540 C	Determination of Total dissolved solids (TDS) in water by drying method
APHA-2540 D	Determination of Total suspended solids (TSS) in water by drying method
APHA 4500 Cl E	Determination of Chloride in water by low level amperometric titration method
APHA 4500-Cl G	Determination of Free chlorine High range and Low Range in water by DPD colorimetric method



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APHA-4500 Cl G	Determination of Total chlorine as Cl ₂ in water - by DPD colorimetric method
APHA-4500 F- C	Determination of Fluoride in water samples by Ion-Selective Electrode Technique (0.01 to 19.000 mg/L)
APHA-4500-HB	Determination of pH Value in Water by using pH meter
APHA-4500-NO ₂ -B	Determination of nitrite as NO ₂ in water - Colorimetric method
APHA-4500-NO ₃ -B	Determination of nitrate as NO ₃ in water ultraviolet spectrophotometric screening method
APHA-4500-O C	Determination of dissolved oxygen in water by Azide Modification method
APHA-4500-P-E	Determination of phosphate in water by Ascorbic Acid method
APHA-5210 D	Determination of Biological Oxygen Demand (BOD) in water by Respirometric Method
APHA-5220 D	Determination of chemical oxygen demand in water by closed reflux colorimetric Method
APHA 5310B	Determination of Total Organic Carbon (TOC) for Liquid Samples by High temperature combustion Method
APHA-5520 B	Determination of Oil and Grease in water by Partition-Gravimetric method
Application Note. D08991_01	Determination of Nitrate-N in water by Discrete Analyzer
ASTM D93	Determination of Flash Point in petroleum products by Pensky-Martens Closed Cup Tester
ASTM D2216	Determination of Water (Moisture) Content of Soil and Rock by Mass
ASTM D7042-04	Determination Density and viscosity of liquid samples by Stabinger Viscometer
ASTM D7678-11	Standard test method for Determination of total Petroleum Hydrocarbons (TPH) in Water and Wastewater with Solvent Extraction using Mid-IR Laser Spectroscopy (FTIR)
BS EN 12260:2003	Determination of bound nitrogen (TN _b) for liquid samples, after combustion and oxidation to nitrogen dioxide, using chemiluminescence detection
Gerhardt A.1.4.2	Determination of Total kjeldahl Nitrogen for soil samples



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HACH 8027	Determination of total Cyanide in water samples by Pyridine-Pyrazalone Method
HACH 8038	Determination of Ammonia-Nitrogen Nessler Method (0.02 to 2.5 mg/L)
HACH 8047	Determination of Phenol in water by 4-aminoantipyrine Method
HACH 8131	Determination of Sulfide in water, by Methylene Blue Method
HACH 8155	Determination of Ammonia by Salicylate method (0.01 to 0.5 mg /L)
HACH 8160	Determination of Total Dissolved Solid (TDS) in water direct measurement by using Conductivity Probe
HACH 8192	Determination of Nitrate LR in water by Cadmium Reduction Method (Nitrate low range 0.01-0.5 mg/L)
HACH 8507	Determination of Nitrite LR in water by Spectrophotometer using Diazotization Method (Nitrite LR 0.002 to 0.3 mg/L)
HACH 10227	Determination Sulphate in water by turbidimetric method
HACH 10360	Determination of (DO) in water Direct Measurement Method by Luminescent Dissolved Oxygen Probe
ICP.OES AN 43374	Determination of Hydride-forming element in water, aqueous samples, soil, sludge, and sediments by hydride generator in iCAP7400 Radial ICP-OES
ISO 10694: 1995	Determination of Total Organic Carbon (TOC) for Solid Samples by dry combustion (elementary analysis)
ISO 11265: 1994	Determination of the specific Electrical conductivity in an aqueous extract of soil and sediment samples
EPA 365.1	Determination of Phosphorus (P) in water by semi-automated colorimetric method
US EPA 6010B	Determination of Trace Elements including Metals in water, aqueous samples, soils, sludge and sediments by iCAP7400 Radial ICP-OES
US EPA 6010B	Determination of Major cations in water, soils, sludge and sediments samples by ICP-OES (iCAP7400)
US EPA 7196-A	Determination of Hexavalent Chromium in water by Colorimetric method



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US EPA 8015B	Determination of TPH in water and soil by gas chromatography flame ionization detector (GC-FID)
US EPA 8260B	Determination of VOC in water and soil by gas chromatography mass spectrometry (GC-MS)
US EPA 8270C	Determination of SVOC Pesticides in water and soil by gas chromatography mass spectrometry (GC-MS)
US EPA 8270C	Determination of SVOC in water and soil by gas chromatography mass spectrometry (GC-MS)
EPA 9045 D	Determination of pH value for soil and sediment by using pH meter
EPA 9071B	Determination of Oil and grease in soil, sludge, and sediment sample by using (n.hexane Extractable material on Soxhlet apparatus)

Microbiological

Water and Food

APHA 9213-E	Enumeration of Pseudomonas aeruginosa in water by Membrane Filtration
APHA 9213 F	Multiple Tube Technique for Pseudomonas aeruginosa
APHA 9215-B	Enumeration of Hetrotrophic Plate Count in water by pour plate Method
APHA 9215 D	Enumeration of Heterotrophic plate count in water by membrane filtration method
APHA 9221-B	Enumeration of Total Coliform in water by Fermentation Technique
APHA 9221-E	Enumeration and Detection of Fecal Coliform in water by Fermentation Technique
APHA 9221 F	Detection and Enumeration of Escherichia coli in Water by Multiple Tube Fermentation Technique
APHA 9222-B	Enumeration of Total Coliform in water by Membrane Filtration
APHA 9222-D	Enumeration of Fecal Coliform in water by Membrane Filtration
APHA 9222-G	Enumeration of Escherichia coli in water Membrane filtration Partition Method
APHA 9230-B	Enumeration of fecal Streptococci/enterococcus in water by Multiple Tube Fermentation Method



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APHA 9230-C	Enumeration of Fecal enterococcus / streptococcus in water by Membrane Filtration
APHA 9240-D	Detection and Enumeration of Sulphate Reducing Bacteria in water
APHA 9610-C	Enumeration of Fungi in water by Spread Plate Technique
APHA 9610 D	Enumeration of Fungi in water by -membrane Filtration technique
AS 5013.2 –2007	Enumeration of Bacillus Cereus in food by Colony Count Technique
AS 5013.5-2004	Enumeration of Aerobic Plate Count in Food by Pour Plate Method
AS 5013.8 -2004	Detection and Enumeration of Enterobacteriaceae from meat and meat products – MPN method and colony count method
AS 5013.10 -2009	Detection of Salmonella in food and environmental samples
BAM Chapter 3	Determination of Aerobic plate count in food by conventional plate count Method at 35°C
BAM Chapter 4	Enumeration of Escherichia coli and the Coliform Bacteria by Solid Medium Plating Method in food (Except Chapter 4A Diarrheagenic Escherichia coli)
BAM Chapter 16	Enumeration and Identification of Clostridium Perfringens in food by Colony Count Technique
BAM Chapter 18	Detection and Enumeration of Yeasts, Molds and Mycotoxins by Spread Plate Method in Food
Hygiena INS0039 EN	UltraSnap Adenosine Triphosphate (ATP) Surface Test
Hygiena INS0055	Environmental Listeria species Test
Hygiena INS0057 EN	AquaSnap Total and Free water Adenosine Triphosphate ATP Tests
Hygiena INS0118	MicroSnap – Coliform and E. coli
Hygiena INS0126	MicroSnap – Total Microbial Activity Test
Hygiena INS0172	Environmental Salmonella Test
ISO 6888-Part 1	Enumeration of coagulase-positive staphylococci in food by using Baird-Parker agar medium
ISO 11290-2 A1:2004	Enumeration and Identification of Listeria species in red meat, poultry, egg and environmental samples



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ISO 11731	Enumeration of Legionella in water
ISO 14189	Enumeration of Clostridium perfringens in water by membrane filtration
ISO 16649	Enumeration of β - Glucuronides-Positive Escherichia coli by colony count technique in food
WHO 1996	Detection of Helminth worms and eggs in water.