



INTERNATIONAL  
ACCREDITATION  
SERVICE®

# CERTIFICATE OF ACCREDITATION

*This is to attest*

## **PUBLIC HEALTH LABORATORIES**

B 738 - R 1124 - BL 311 ALSALMANIYA  
MANAMA, BAHRAIN

### **Testing Laboratory TL-1298**

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.

Expiry Date November 1, 2026

Effective Date October 16, 2025



*International Accreditation Service*  
Issued under the authority of IAS management

Visit [www.iasonline.org](http://www.iasonline.org) for current accreditation information.

# SCOPE OF ACCREDITATION

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## PUBLIC HEALTH LABORATORIES

[www.moh.gov.bh](http://www.moh.gov.bh)

**Contact Name** Maryam Sanad

**Contact Phone** +97336333218

**Accredited to** ISO/IEC 17025:2017

**Effective Date** October 16, 2025

Biological Testing	
Food	
BAM Chapter 9	Enumeration of <i>Vibrio parahaemolyticus</i>
ISO 4832:2006	Horizontal method for the enumeration of coliforms - Colony count technique
ISO 4833-1:2013	Horizontal method for the enumeration of microorganisms, Colony count at 30 °C by the pour plate technique TEMPO AC, BioMérieux. Automated enumeration test
ISO 4833-2:2013	Horizontal method for the enumeration of microorganisms, Colony count at 30 °C by the surface plating technique
ISO 6579-1:2017	Horizontal method for the detection, enumeration and serotyping of <i>Salmonella</i> VIDAS UP <i>Salmonella</i> (SPT), BioMérieux. Automated detection test
ISO 6611:2004	Enumeration of colony-forming units of yeasts and/or moulds - Colony-count technique at 25 °C TEMPO MY, BioMérieux. Automated enumeration test
ISO 6888-1:2021	Horizontal method for the enumeration of coagulase-positive staphylococci ( <i>Staphylococcus aureus</i> and other species)
ISO 7932:2004	Horizontal method for the enumeration of presumptive <i>Bacillus cereus</i> - Colony-count technique at 30 °C
ISO 7937:2004	Horizontal Method for The Enumeration of <i>Clostridium perfringens</i> - Colony Count Technique
ISO 10272-1:2017	Horizontal method for detection and enumeration of <i>Campylobacter</i> spp.: Detection method VIDAS <i>Campylobacter</i> (CAM), BioMérieux. Automated detection test
ISO 11290-1:2017	Horizontal method for the detection and enumeration of <i>Listeria monocytogenes</i> and of <i>Listeria</i> spp.: Detection method VIDAS <i>Listeria</i> DUO (LDUO), BioMérieux. Automated detection test
ISO 16649-2:2001	Horizontal method for the enumeration of $\beta$ -glucuronidase-positive <i>Escherichia coli</i> , Colony-count technique at 44 °C using 5-bromo-4-chloro-3-indolyl- $\beta$ -D-glucuronide TEMPO EC, BioMérieux. Automated enumeration test

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ISO 16654:2001	Horizontal method for the detection of <i>Escherichia coli</i> O157 VIDAS UP - E. coli O157 including H7 (ECPT), BioMérieux. Automated detection test
ISO 21528-2:2017	Horizontal method for the detection and enumeration of Enterobacteriaceae, Colony-count technique TEMPO EB, BioMérieux. Automated enumeration test
ISO 21872-1:2017	Horizontal method for the determination of <i>Vibrio</i> spp., (Detection of potentially enteropathogenic <i>Vibrio parahaemolyticus</i> , <i>Vibrio cholerae</i> and <i>Vibrio vulnificus</i> )
ISO/TS 22964:2006	Detection of <i>Enterobacter sakazakii</i> (Milk and milk products)
<b>Water</b>	
ISO 4833-1:2013	Horizontal method for the enumeration of microorganisms: Colony count at 30 °C by the pour plate technique
ISO 4833-2:2013	Horizontal method for the enumeration of microorganisms: Colony count at 30 °C by the surface plating technique
ISO 7899-2:2000	Detection and enumeration of intestinal enterococci: Membrane filtration method IDEXX Enterolert. Most Probable Number (MPN)
ISO 9308-1:2014	Enumeration of <i>Escherichia coli</i> and coliform bacteria: Membrane filtration method for waters with low bacterial background flora
ISO 9308-2:2012	Enumeration of <i>Escherichia coli</i> and coliform bacteria - Part 2: Most probable number method IDEXX Colilert-18. Most Probable Number (MPN)
ISO 16266:2006	Detection and enumeration of <i>Pseudomonas aeruginosa</i> - Method by membrane filtration
ISO 16266-2:2018	Detection and enumeration of <i>Pseudomonas aeruginosa</i> : Most probable number method IDEXX Pseudalert. Most Probable Number (MPN)
<b>Bacterial Toxin Test</b>	
PHL/003PR032	Endotoxin Detection test by BCET-RPLA, Oxoid (enterotoxin-diarrhoeal type) Reversed passive latex agglutination test.
PHL/003PR032	Endotoxin Detection test by SET-RPLA, Oxoid (Enterotoxins A, B, C and D) Reversed passive latex agglutination test. VIDAS Staph enterotoxin II (SET2), BioMérieux (Enterotoxins A, B, C, D, E). Automated detection test
<b>Other Tests</b>	
PHL/003PR025	Microbial Identification by MALDI-TOF Microflex System Standard Operating Procedure for Identification of Bacteria, Mould and Yeast, Bruker

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<b>Chemical Testing</b>	
<b>Food Additives</b>	
AOAC 950.60 (22 <sup>nd</sup> Edition) AOAC 950.61 (22 <sup>nd</sup> Edition) AOAC 988.13 (22 <sup>nd</sup> Edition)	Allura Red (Qualitative) Amaranth (Qualitative) Brilliant Black (Qualitative) Brilliant Blue (Qualitative) Carmosine (Qualitative) Chocolate Brown (Qualitative) Erythrosine (Qualitative) Ponceu 4R (Qualitative) Sunset Yellow (Qualitative) Tartrazine (Qualitative) Dimethyl yellow (Qualitative) Sudan 1, 2, 3, 4 (Qualitative/ Quantitative) Sudan Colors (Qualitative)
AOAC 971.19 (22 <sup>nd</sup> Edition)	Determination of Salt% in meat, fish, and cheese
AOAC 973.31 (22 <sup>nd</sup> Edition)	Determination of Sodium Nitrate Determination of Sodium Nitrite
AOAC 979.08 (22 <sup>nd</sup> Edition)	Determination of Acesulfame-K Determination of Aspartame Determination of Sorbic Acid
AOAC 979.08 (22 <sup>nd</sup> Edition)	Determination of Potassium Sorbate
AOAC 979.08 (22 <sup>nd</sup> Edition)	Determination of Saccharin
AOAC 979.08 (22 <sup>nd</sup> Edition)	Determination of Sodium Benzoate
AOAC 979.08 (22 <sup>nd</sup> Edition)	Determination of Sorbic Acid
AOAC 994.11 (22 <sup>nd</sup> Edition)	Determination of Benzoic Acid
<b>Mineral Heavy Metals Analysis in Food and Water</b>	
AOAC 971.20 (22 <sup>nd</sup> Edition)	Determination of Copper & Nickel in tea
AOAC 997.15 (22 <sup>nd</sup> Edition)	Determination of Lead in sugars and syrups

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AOAC 999.10 (22 <sup>nd</sup> Edition)	Determination of Cadmium, Copper, Zinc, Iron & Lead in Food
AOAC 2013.06 (22 <sup>nd</sup> Edition)	Determination of Cadmium & Mercury in Food
AOAC 2015.01 (22 <sup>nd</sup> Edition)	Arsenic (Total)
AOAC 2015.01(22 <sup>nd</sup> Edition)	Determination of heavy metals (Cadmium, Copper, Zinc, Iron Lead, Manganesem, Mercury & Nickel) in food
<b>Miscellaneous Analysis in food</b>	
AOAC 916.01 (22 <sup>nd</sup> Edition)	Microscopic examination of Adulterant in Spices
AOAC 942.15 (22 <sup>nd</sup> Edition)	Determination of Total Acidity of Fruit products
AOAC 975.48 (22 <sup>nd</sup> Edition)	Microscopic examination of Light and heavy filth in Spices and condiment
AOAC 981.12 (22 <sup>nd</sup> Edition)	Determination of pH of acidified foods
ISO 2448:1998	, Determination of ethanol content in Fruit and vegetable products
<b>Mycotoxins Analysis</b>	
AOAC 991.31 (22 <sup>nd</sup> Edition)	Determination of Aflatoxin B1, B2, G1, G2
	Determination of Total Aflatoxin (B1, B2, G1 & G2) Quantitative
PHL/004PR075	Determination Total Aflatoxin (B1, B2, G1 & G2) by Method from Romer Labs, AgraStrip® Total Aflatoxin Qualitative Tests (10 ppb cut off).
<b>Proximate Composition Analysis In food</b>	
AOAC 920.100(22 <sup>nd</sup> Edition)	Water Soluble Ash
	Acid Insoluble Ash
AOAC 920.104 (22 <sup>nd</sup> Edition)	Determination of Water Extract of Tea
AOAC 920.159 (22 <sup>nd</sup> Edition)	Determination of Iodine Value of Oils and Fats
AOAC 920.160 (22 <sup>nd</sup> Edition)	Determination of Saponification Value of Oils and Fats
AOAC 925.45 (22 <sup>nd</sup> Edition)	Determination of total solids in tea



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AOAC 930.38 (22 <sup>nd</sup> Edition)	Determination of Synthetic Organic color additives (Artificial Colour of Saffron) in food by Thin Layer Chromatography
AOAC 940.28 (22 <sup>nd</sup> Edition)	Determination of Free Fatty Acids Value in Crude and refined Oils
AOAC 941.12 (22 <sup>nd</sup> Edition)	Determination of Ash in Spices
AOAC 941.11 (22 <sup>nd</sup> Edition)	Determination of Moisture in Spices
AOAC 965.33 (22 <sup>nd</sup> Edition)	Determination of Peroxide Value of Oils and Fats
AOAC 969.17(22 <sup>nd</sup> Edition)	Determination of Acid value of butterfat.
AOAC 969.33 (22 <sup>nd</sup> Edition)	Determination of Fatty Acids Profile in Oil
AOAC 975.11(22 <sup>nd</sup> Edition)	Determination of Alkalinity of the Water- Soluble Ash
AOAC 981.12(22 <sup>nd</sup> Edition)	Determination of pH in acidified foods
GSO 16:1984	Determination of Acid value of edible vegetable oils and fats.
ISO 3632-2:2010 ISO 3632-1:2011	Determination of Coloring Power
ISO 3632-2:2010 ISO 3632-1:2011	Diphenylamine Test
ISO 3632-1:2011	Microscopic Examination of Saffron ( <i>Crocus Sativus</i> L.)
<b>Water Analysis</b>	
AOAC 974.27 (22 <sup>nd</sup> Edition) AOAC 993.14 (22 <sup>nd</sup> Edition)	Determination of Cadmium in waters and wastewaters
AOAC 993.30 (22 <sup>nd</sup> Edition)	Determination of Chloride in water (Ion chromatographic method)
AOAC 993.14 (22 <sup>nd</sup> Edition) AOAC 974.27 (22 <sup>nd</sup> Edition)	Determination of Copper, Lead, Mercury, Nickel, Zinc, Arsenic & Iron in waters and wastewaters
AOAC 993.30 (22 <sup>nd</sup> Edition)	Determination of Fluoride

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ASTM D4327 AOAC 993.30 (22 <sup>nd</sup> Edition)	Determination of Fluoride, chloride, nitrate, phosphate in water by Ion chromatographic method
ASTM D6581 AOAC 993.30 (22 <sup>nd</sup> Edition)	Determination of Bromate, bromide in water by Ion chromatographic method
EPA Method 330.5	Determination of Chlorine Residual
ISO 7888:1985	Determination of electrical conductivity
ISO 10523:2008 AOAC 973.41 (22 <sup>nd</sup> Edition)	Determination of pH of water
ISO 13.060.60 ISO 13.060.01	Colour
	Floating Material
	Odour
	Sediment
	Suspended Solids
	Total Dissolved Solids
	Turbidity
ISO 14911:1998 ASTM D6919	Determination of dissolved Lithium, Sodium, Ammonium, Potassium Magnesium & Calcium in water and wastewater
<b>Analysis of Honey</b>	
AOAC 962.19 (22 <sup>nd</sup> Edition)	Determination of Free Acid (Formic Acid) of honey
AOAC 969.38 (22 <sup>nd</sup> Edition)	Determination of % water in honey
AOAC 977.20 (22 <sup>nd</sup> Edition)	Separation of Sugars (Maltose, Sucrose, Glucose, Fructose Fructose/Glucose) in Honey by Liquid Chromatographic method
AOAC 980.23 (22 <sup>nd</sup> Edition)	Determination of Hydroxymethylfurfural in Honey
<b>Pesticides in Food and Water</b>	
AOAC 970.52 (22 <sup>nd</sup> Edition) AOAC 991.06 (22 <sup>nd</sup> Edition)	Acetamiprid Acetamiprid Azoxystrobin Carbaryl Carbendazim



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AOAC 991.07 (22 <sup>nd</sup> Edition)	Carbofuran Chlorantranilprole Clothiandin Clothianidin Difenoconazole Dimethomorph Epoxiconazole Fenazaquin Fenhexamid Fenobucarb Fenpyroxima Fenpyroximat Flusilazole Hexaconazole Hexaconzole Hexythiazox Hxaconazole Imidacloprid Indoxacarb Indoxacard Isoprocarb kresoxim-methyl Metalaxyl Methiocarb Methomyl Methoxyfenozide Myclobutanil Myclobutaniol Oxamyl Penconazole Picoxystrobin Promecarb Propargite Propiconazole Propoxur Pyraclostrobin Pyridaben Pyriproxifen Spinosad Spinosad A Spinosad D Spiromesifen Spiroxamine Tebuconazole Thiacloprid Thiamethoxam Thiophanate-methyl Tricyclazole Tridimenol Trifloxystrobin
AOAC 970.52 (22 <sup>nd</sup> Edition)	

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AOAC 991.06 (22 <sup>nd</sup> Edition) AOAC 991.07 (22 <sup>nd</sup> Edition) (cont'd.)	
<b>Tobacco Analysis</b>	
CORESTA Recommended Method (CRM) 4 ISO 6565	Determination of Pressure Drop of Cigarettes and Filter Rods
CORESTA Recommended Method (CRM) 5	Determination of filter ventilation of Cigarettes
CORESTA Recommended Method (CRM) 55	Determination of Carbon monoxide content (mg/Cig)
CORESTA Recommended Method (CRM) 62 ISO 3402:1999 ISO 8243:2013	Determination of Nicotine content of Tobacco and Tobacco Products by Gas Chromatographic Analysis
GSO 950:2014	Determination of nicotine with chemical methods
ISO 2971:2013	Circumference Size (mm) of Cigarettes and filter rods by using a non-contact optical measuring apparatus
ISO 4387:2000 ISO 3308:2000 ISO 3402:1999	Determination of Puff Counts (Mg/Cig) of Cigarette
ISO 4387:2000 ISO 3308:2000 ISO 3402:1999	Determination of Total Particular Matter (TPM) of Cigarettes using a routine analytical smoking machine
ISO 13276:2020 ISO 3402:1999 ISO 8243:2013	Determination of nicotine purity Gravimetric method using tungstosilicic acid
<b>Radionuclides</b>	
AOAC 933.09 (22 <sup>nd</sup> Edition)	Determination of Alpha nuclides
AOAC 933.09 (22 <sup>nd</sup> Edition)	Determination of beta nuclides
AOAC 933.09 (22 <sup>nd</sup> Edition)	Determination of Gamma nuclides

