



# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **GULF LABORATORIES CO. WLL**

PO BOX 4024, BUILDING NO 112, STREET 13 SALWA INDUSTRIAL AREA  
DOHA, QATAR

### **Testing Laboratory TL-912**

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 January 1, 2025  
Effective Date April 29, 2024



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

**President**

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

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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## GULF LABORATORIES CO. WLL

[www.gulflaboratories.com](http://www.gulflaboratories.com)

**Contact Name** Senthil Kumar

**Contact Phone** +974 44076187

*Accredited to ISO/IEC 17025:2017*

*Effective Date April 29, 2024*

<b>Food Microbiology</b>	
AOAC Official Method 2000.14 Reveal Test	Detection of Escherichia coli O157 By Reveal Test
CCFRA 2.4.2:2003 Guideline No. 24 5th Edition	Detection and Enumeration of Escherichia coli using Chromogenic Medium: Pour Plate Technique
CCFRA Guideline No. 43 - Manual of Microbiological Methods for the food and Drinks Industry 5th Ed. 2007 - Method 1.1.1:2007 Test 6.2.1	Standard Plate Count (Total Viable Count) - Pour Plate Technique
CCFRA Guideline No. 43 - Manual of Microbiological Methods for the food and Drinks Industry 5th Ed. 2007 - Method 1.2.1:2003-Test 6.8.1	Mesophilic Spore Count-Pour Plate
CCFRA Guideline No. 43 - Manual of Microbiological Methods for the food and Drinks Industry 5th Ed. 2007 - Method 2.2.1:2007	Enumeration of Coliforms-Colony Count Technique
CCFRA Guideline No. 43 - Manual of Microbiological Methods for the food and Drinks Industry 5th Ed. 2007 - Method 2.3.1:2007	Enumeration of Enterobacteriaceae-Colony Count Technique
CCFRA Guideline No. 43 - Manual of Microbiological Methods for the food and Drinks Industry 5th Ed. 2007 - Method 3.1.2 & 5:2007	Detection of Salmonella: Cultural Method

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CCFRA Guideline No. 43 - Manual of Microbiological Methods for the food and Drinks Industry 5th Ed. 2007 - Method 3.2.2 & 7:2007	Detection of <i>Listeria monocytogenes</i> and other <i>Listeria</i> species: Cultural Method
CCFRA Guideline No. 43 - Manual of Microbiological Methods for the food and Drinks Industry 5th Ed. 2007 - Method 3.3.1:2007	Detection of thermotolerant <i>Campylobacter</i> Species
CCFRA Guideline No. 43 - Manual of Microbiological Methods for the food and Drinks Industry 5th Ed. 2007 - Method 3.6.1:2007	Enumeration of <i>Clostridium perfringens</i> : Colony Count Technique
CMMEF 5th Ed. - Chapter 9	Enumeration of Coliforms, Fecal coliforms and <i>Escherichia coli</i> by MPN Method
CMMEF 5th Ed. - Chapter 21	Yeast and Molds -Spread plate Technique
CMMEF 5th Ed. - Chapter 31	Enumeration of <i>Bacillus cereus</i>
Reveal 2.0 Assay Test for <i>Listeria</i> -Neogen-Corporation -GL-SOP-CHE-175	Detection of <i>Listeria</i> species
USFDA, BAM Chapter 3- January 2007	Aerobic plate count-Conventional Plate Count Method
USFDA, BAM Chapter 9 - May 2004	Enumeration of <i>Vibrio parahaemolyticus</i> by MPN Method
USFDA, BAM Chapter 12 - March 2016	<i>Staphylococcus aureus</i> -Direct Plate Count Method
<b>Food Chemistry</b>	
AOAC 923.03/AOAC 942.05/ AOAC 945.43/ AOAC 930.22/ AOAC 945.18/ AOAC 920.153/ AOAC 925.11 / AOAC 972.15/ AOAC 945.46/ AOAC 930.30/ AOAC 900.02/A0AC 950.49/ AOAC 940.26/ AOAC 938.08/ AOAC 925.51/	Ash Content

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AOAC 935.42/ AOAC 945.56 B/ AOAC 941.12	
AOAC Official Method 935.43	Salt As Sodium Chloride (Volhard method)
AOAC 950.46 / AOAC 952.08A / AOAC 930.45/ AOAC 931.04/ AOAC 920.116 / AOAC 925.10	Moisture and Dry Matter
AOAC Official Method 985.29	Total Dietary fiber
AOAC Official Method 991.21	Crude Protein
AOAC Official Method 991.36	Crude Fat: Solvent Extraction Submersion Method
AOAC Official Method 991.43	Insoluble Dietary fiber, Soluble Dietary fiber and Total Dietary fiber
AOAC Official Method 2003.05	Crude Fat in Feeds, Cereal Grains, and Forages – Randall/Soxtec Diethyl Ether Extraction Submersion Method
Food energy – methods of analysis and conversion factors, FAO Food and Nutrition Paper 77, ISSN 0254-4725 FSANZ - Nutrition information user Guide to standard 1.2.8-Nutrition information requirements - part A-Prescribed Nutrition Information	Energy Value – calculation
Nutrition Information User Guide to Standard 2.9.1- Nutrition Information Requirements – Part 3 – Prescribed Nutrition Information	Carbohydrate – Calculation
<b>Chemical Tests in Potable Water</b>	
APHA/AWWA 2110	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Appearance
APHA/AWWA 2120 C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Spectrophotometric- Single Wavelength Method (Proposed) - Color

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APHA/AWWA 2130 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Turbidity, Nephelometric method
APHA/AWWA 2310 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Titration Method (Acidity)
APHA/AWWA 2320 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Total Alkalinity, Titration method
APHA/AWWA 2320-B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Alkalinity: Titration Method - Bicarbonate
APHA/AWWA 2320-B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Alkalinity: Titration Method - Carbonate
APHA/AWWA 2340 C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Total Hardness, EDTA Titrimetric Method
APHA/AWWA 2510 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Conductivity, Laboratory method
APHA/AWWA 2540 C	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017, Total Dissolved Solids (TDS)
APHA/AWWA 2550 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Laboratory and Field Methods (Temperature)
APHA/AWWA 2580	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Oxidation- Reduction Potential Measurement in Clean Water - Oxidation Reduction Potential (ORP)
APHA/AWWA 3500 Ca B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Calcium, EDTA Titrimetric method
APHA/AWWA 3500-Fe B	Standard Methods for the Examination of Water and Wastewaters 23rd Edition:2017. Iron in water by Phenanthroline Colourimetric method
APHA/AWWA 3500 Mg B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Magnesium, Calculation method
APHA/AWWA 4110-B Chloride	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Anions by Ion Chromatography. Determination of Anions by Ion Chromatography with chemical suppression of eluent conductivity - Chloride
APHA/AWWA 4110-B Nitrate	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Anions by Ion Chromatography. Determination of Anions by Ion Chromatography with chemical suppression of eluent conductivity - Nitrate
APHA/AWWA 4110-B Nitrite	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Anions by Ion Chromatography. Determination of Anions by Ion Chromatography with chemical suppression of eluent conductivity - Nitrite
APHA/AWWA 4110-B Sulphate	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Anions by Ion Chromatography. Determination of Anions by Ion Chromatography with chemical suppression of eluent conductivity - Sulphate

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APHA/AWWA 4110 D	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Ion Chromatographic determination of Oxyhalides and Bromide
APHA/AWWA 4500 Cl- B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Chloride, Argentometric method
APHA/AWWA 4500 F- D	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 Fluoride, SPADNS method Test
APHA/AWWA 4500 H+ B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017 pH value, Electrometric method
APHA/AWWA 2520 B	Total Suspended Solids
APHA/AWWA 3120 B	Barium, Ba: ICP-AES
APHA/AWWA 3120 B	Beryllium, Be: ICP-AES
APHA/AWWA 3120 B	Boron, B: ICP-AES
APHA/AWWA 3120 B	Calcium, Ca: ICP-AES
APHA/AWWA 3120 B	Potassium K: ICP-AES
APHA/AWWA 3120 B	Copper Cu: ICP-AES
APHA/AWWA 3120 B	Iron, Fe: ICP-AES
APHA/AWWA 3120 B	Manganese Mn: ICP-AES
APHA/AWWA 3120 B	Magnesium Mn: ICP-AES
APHA/AWWA 3120 B	Thallium Tl: ICP-AES
APHA/AWWA 3120 B	Chromium Cr: ICP-AES
APHA/AWWA 3120 B	Cobalt, Co: ICP-AES
APHA/AWWA 3120 B	Sodium Na: ICP-AES
APHA/AWWA 3120 B	Nickel Ni: ICP-AES
APHA/AWWA 3120 B	Cadmium Cd: ICP-AES
APHA/AWWA 3120 B	Zinc Zn: ICP-AES
APHA/AWWA 3120 B	Aluminium Al: ICP-AES
APHA/AWWA 3120 B	Lead Pb: ICP-AES
APHA/AWWA 3120 B	Lithium, Li: ICP-AES
APHA/AWWA 3120 B	Mercury Hg: ICP-AES
APHA/AWWA 3120 B	Molybdenum Hg: ICP-AES



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APHA/AWWA 3120 B	Arsenic, As: ICP-AES
APHA/AWWA 3120 B	Selenium, Se: ICP-AES
APHA/AWWA 3120 B	Silica (SiO <sub>2</sub> ): ICP-AES
APHA/AWWA 3120 B	Silver, Ag: ICP-AES
APHA/AWWA 3120 B	Vanadium, V: ICP-AES
APHA/AWWA 3120 B	Antimony, Sb: ICP-AES
APHA/AWWA 4500 Cl B	Chloride – Argentometric method
APHA/AWWA 4500 Cl G	Residual chlorine – DPD Colorimetric method
APHA/AWWA 4500-NH <sub>3</sub> F	Nitrogen – Ammonia: Phenate method
APHA/AWWA 4500 P B&D	Phosphate
APHA/AWWA 4500 S <sub>2</sub> -F	Sulfide – Iodometric method
APHA/AWWA 4500 SO <sub>4</sub> E	Sulfate in water
APHA/AWWA 5310 B	Total Organic Carbon (TOC) – High Temperature Combustion method
APHA/AWWA 6200 B	BTEX – VOCs in Water GC/MS
APHA/AWWA 6200 B	Dichloromethane
APHA/AWWA 6200 B	Trihalomethane in water GC/MS
APHA/AWWA 6431 C	PCBs GC method
APHA/AWWA 6440 C	PAHs GC
<b>Microbiological Tests in Water and Wastewater</b>	
APHA/AWWA 9215 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017, Heterotrophic Plate Count
APHA/AWWA 9223 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Enzyme Substrate Test E. Coli
APHA/AWWA 9223 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Enzyme Substrate Test Fecal coliform
APHA/AWWA 9223 B	Standard Methods for the Examination of Water and Wastewater 23rd Edition:2017. Enzyme Substrate Test Total coliform
BS EN ISO 16266:2008	Water quality- Detection and enumeration of Pseudomonas aeruginosa-Method by membrane filtration
<b>Indoor Air Quality</b>	

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ANSI/ASHRAE Standard 62.1-2022	Ventilation and Acceptable Indoor Air Quality
<b>Migration Test</b>	
BS EN 1186-3	Test Method for Overall migration into Aqueous food Simulants by Total Immersion.
BS EN 1186-9	Test Method for Overall migration into Aqueous food Simulants by Article Filling.
BSEN 13130-1	Test Method for specific migration into Aqueous food Simulants by Total Immersion.
BSEN 13130-1	Test Method for specific migration into Aqueous food Simulants by Article Filling.