



Accreditation Scope

Almubtakar Laboratory, NAL 142
Testing Laboratory, (ISO/IEC 17025:2017)

Musaffah 14, Abu Dhabi, Abu Dhabi, United Arab Emirates

Issue Date: 08/01/2026

Expiry Date: 08/02/2026

Issue No: 8

Testing Field	Materials/ Products Tested	Type of test/ Test parameter/ Properties measured/Range of measurement	Test Method (Standard, Internal Procedure, Technique)	Permanent lab (P) / Client-site (S)
Chemical	Water/waste water	pH 1 to 14 pH units	APHA 4500 H+ B, 24th edition 2022	P
Chemical	Water/waste water	Conductivity >1 μ S/Cm	APHA 2510B, 24th edition 2022	P
Chemical	Water/waste water	Turbidity >0.05 NTU	APHA 2130B, 24th edition 2022	P
Chemical	Water/waste water	Total Dissolved Solids (TDS) >1 mg/L	APHA 2540C, 24th edition 2022	P
Chemical	Water/waste water	Total Suspended Solids (TSS) >1 mg/L	APHA 2540D, 24th edition 2022	P
Chemical	Water/waste water	Alkalinity mg CaCO ₃ /L >2 mg/L	APHA 2320B, 24th edition 2022	P
Chemical	Water/waste water	Carbonate Alkalinity as CaCO ₃ >2 mg/L	APHA 2320B, 24th edition 2022	P
Chemical	Water/waste water	Bicarbonate alkalinity as CaCO ₃ >2 mg/L	APHA 2320B, 24th edition 2022	P

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Chemical	Water/waste water	Hardness by Calculation (mg equivalent CaCO ₃ /L) >2 mg/L	APHA 2340B, 24th edition 2022	P
Chemical	Water/waste water	Calcium hardness as CaCO ₃ as CaCO ₃ /L >2 mg/L	M-SOP-27 Issue 01 Effective date 12/11/2019, Version 01 Rev 0	P
Chemical	Water/waste water	Calcium (Ca) >0.03 mg/L	APHA 3120B (Analysis), 24th edition 2022 APHA 3030E (Digestion), 24th edition 2022	P
Chemical	Water/waste water	Magnesium (Mg) > 0.003 mg/L	APHA 3120B (Analysis), 24th edition 2022 APHA 3030E (Digestion), 24th edition 2022	P
Chemical	Water/waste water	Iron (Fe) >0.002 mg/L	APHA 3120B (Analysis), 24th edition 2022 APHA 3030E (Digestion), 24th edition 2022	P

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Chemical	Water/waste water	Sodium (Na) >0.4 mg/L	APHA 3120B (Analysis), 24th edition 2022 APHA 3030E (Digestion), 24th edition 2022	P
Chemical	Water/waste water	Potassium (K) >0.1mg/L	APHA 3120B (Analysis), 24th edition 2022 APHA 3030E (Digestion), 24th edition 2022	P
Chemical	Water/waste water	Chromium (Cr) >0.003 mg/L	APHA 3120B (Analysis), 24th edition 2022 APHA 3030E (Digestion), 24th edition 2022	P
Chemical	Water/waste water	Cadmium (Cd) >0.002 mg/L	APHA 3120B (Analysis), 24th edition 2022 APHA 3030E (Digestion), 24th edition 2022	P
Chemical	Water/waste water	Nickel (Ni) >0.002 mg/L	APHA 3120B (Analysis), 24th edition 2022 APHA 3030E (Digestion), 24th edition 2022	P

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Chemical	Water/waste water	Zinc (Zn) >0.004 mg/L	APHA 3120B (Analysis), 24th edition 2022 APHA 3030E (Digestion), 24th edition 2022	P
Chemical	Water/waste water	Lead (Pb) >0.004 mg/L	APHA 3120B (Analysis), 24th edition 2022 APHA 3030E (Digestion), 24th edition 2022	P
Chemical	Water/waste water	Copper (Cu) >0.002 mg/L	APHA 3120B (Analysis), 24th edition 2022 APHA 3030E (Digestion), 24th edition 2022	P
Chemical	Water/waste water	Manganese (Mn) >0.002 mg/L	APHA 3120B (Analysis), 24th edition 2022 APHA 3030E (Digestion), 24th edition 2022	P
Chemical	Water/waste water	Chloride >0.1mg/L	APHA 4500Cl B, 24th edition 2022	P
Chemical	Water/waste water	Sulphates as SO ₄ ²⁻ >2.0mg/L	HACH 8051, 10/2019 Edition 11	P

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Chemical	Water/waste water	Fluoride >0.02mg/L	HACH 8029, 08/2018 Edition 10	P
Chemical	Water/waste water	Nitrate >0.1mg/L	HACH 8171, 01/2014 Edition 9	P
Chemical	Water/waste water	Nitrite >0.002mg/L	HACH 8507, 08/2019 Edition 11	P
Chemical	Water/waste water	Free Chlorine >0.02mg/L	HACH 8021, 01/2014 Edition 9	P
Microbiological	Water/waste water	Heterotrophic plate count >1CFU/ml	APHA 9215B, 24th edition 2022	P
Microbiological	Water/waste water	Enumeration of Total Coliforms >1CFU/100ml	APHA 9222B, 24th edition 2022	P
Microbiological	Water/waste water	Enumeration of Fecal Coliforms >1CFU/100ml	APHA 9222B, 24th edition 2022 APHA 9221E, 24th edition 2022	P
Microbiological	Water/waste water	Enumeration of E. coli >1CFU/100ml	APHA 9222B, 24th edition 2022 APHA 9221F, 24th edition 2022	P
Microbiological	Water/waste water	Enumeration of Pseudo monas aeruginosa >1CFU/100ml	APHA 9213E, 24th edition 2022	P

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Microbiological	Water/waste water	Enumeration of Entero cocci >1CFU/100ml	APHA 9230C, 24th edition 2022	P
Microbiological	Water (MatrixA & B)	Detection and Enumeration of Legionella (>1CFU/L)	ISO 11731:2017 Matrix A Procedure 5, 7 Matrix B Procedure 8,9,10	P
Microbiological	Swab (Hand and Surface)	Aerobic Plate Count	USFDA BAM Chapter 3, 2001 M-EN-SOP-04 Issue 01 Effective date: 14/10/2021, Version 01, Rev 01 dated 18/11/2024	P
Microbiological	Swab (Hand and Surface)	Enumeration of Coliforms	USFDA BAM Chapter 4, 2020 M-EN-SOP-02 Issue 01 Effective date: 14/10/2021, Version 01, Rev 0	P
Microbiological	Swab (Hand and Surface)	Enumeration of E. coli	USFDA BAM Chapter 4, 2020 M-EN-SOP-02 Issue 01 Effective date: 14/10/2021, Version 01, Rev 0	P

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Microbiological	Swab (Hand and Surface)	Enumeration of Staphylo coccus aureus	USFDA BAM Chapter 12, 2016 M-EN- SOP-03 Issue 01 Effective date: 14/10/2021, Version 01, Rev 0	P
Noise	Noise	Occupational Noise/ Personnel Noise Exposure	M-EN-SOP-05 Issue 01 Effective date: 10/10/2021, Version 01, Rev 1 dated 18/11/2021 based on ISO 1996-2:2017	S
Environmental	Indoor air	Total Bacterial Count, Yeast and Mould count	M-EN-SOP-01 Issue 01 Effective date: 14/10/2021, Version 01, Rev 02 dated 28/02/2023	P
Environmental	Indoor air	Temperature, Relative Humidity, Carbon Dioxide, Carbon Monoxide, Nitrogen Dioxide, Sulphur Dioxide, Total Volatile Organic Compounds, Ozone, Ammonia, Hydrogen Sulphide, Formaldehyde, Oxygen	M-EN-SOP-07 Issue 01 Effective date: 06/11/2021, Version 01, Rev 1 dated 05/12/2021	S

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Environmental	Indoor air	PM1, PM2.5, PM4, PM7, PM10, TSP	M-EN-SOP-08 Issue 01 Effective date: 6/11/2021, Version 01, Rev 1 dated 05/12/2021	S
Illumination	Light Intensity	Light Intensity / Illumination Level	M-EN-SOP-06 Issue 01 Effective date: 10/10/2021, Version 01, Rev 0 based on BS 667:2005	S
Sampling	Water	Sampling of Water	APHA 9060A, 24th edition 2022	S
Sampling	Water	Sampling of Water for Legionella Testing	BS 7592:2022	S
Sampling	Hand Swab	Sampling of hand swab	M-EN-SOP-09 Issue 01 Effective date: 14/10/2021, Version 01, Rev 0	S
Sampling	Surface swab	Sampling of surface swab	M-EN-SOP-09 Issue 01 Effective date: 14/10/2021, Version 01, Rev 0	S
END				

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