

شهادة اعتماد
Accreditation Certificate



يشهد المركز السعودي للاعتماد (ساك) بأن
Saudi Accreditation Center (SAC) Declare that

Australian Laboratory Services Arabia Co. Lab.

Address: Dammam

Scope : Chemical and Petroleum

مختبر شركة خدمات المعامل الاسترالية العربية

العنوان: الدمام

المجال : الكيمائية والبترولية

قد حقق متطلبات المركز السعودي للاعتماد (ساك) وتم اعتماده وفقاً لمتطلبات المواصفة القياسية السعودية
ساسو / آيزو / آي إي سي (2017) : 17025 وذلك في المجال الملحق بهذه الشهادة
Has met the Requirements of Saudi Accreditation Center (SAC) and has been accredited in compliance
with SASO/ISO/IEC 17025:(2017) for the scope attached with this Certificate

هذه الوثيقة مرسله من النظام الآلي ولا تحتاج إلى توقيع

للتحقق من صلاحيتها يرجى مسح رمز الاستجابة اسفل الصفحة



10/07/1445 : تاريخ الانتهاء / Expire Date

10/06/1439: تاريخ الاصدار / Issue Date

N-T-00060

اسم: مختبر شركة خدمات المعامل الاسترالية العربية

رقم الشهادة: N-T-00060

تاريخ الانتهاء: 1445-07-10

تاريخ الاصدار: 1439-06-10

م	المواد/المنتجات المختبرة	الاختبار	المواصفات المستخدمة	وصف المعدات المستخدمة
1	Water	Determination of Total Dissolved Solids (TDS) at 180°C	SM 2540 C, APHA 23rd Edition, 2017	Gravimetry
2	Soil	Total Solids-TS	In-house Method	Gravimetry
3	Water	Total Solids -TS	SM 2540 B, APHA 23rd Edition, 2017	Gravimetry
4	Water	Settleable Solids	SM 2540 B, APHA 23rd Edition, 2017	Gravimetry
5	Water	Fixed and/or Volatile Solids	SM 2540 B, APHA 23rd Edition, 2017	Gravimetry
6	Water	Fixed and/or Volatile Suspended Solids	SM 2540 B, APHA 23rd Edition, 2017	Gravimetry
7	Water	Colour -Apparent	SM 2120 B, APHA 23rd Edition, 2017	Nessler Tube
8	Water	Colour-True	SM 2120 B, APHA 23rd Edition, 2017	Spectrophotometer
9	Water	Turbidity	SM 2130 B, APHA 23rd Edition, 2017	TurbiditiMeter
10	Water	Specific Gravity	ASTM D 1429	Hydrometer
11	Soil	Bulk Density	In-House Method	Calculation
12	Soil	Moisture Content	In-House Method	Gravimetry
13	Water	Total Hardness as CaCO3	SM 2340 B, APHA 23rd Edition, 2017	Calculation
14	Water	Calcium Hardness as CaCO3	SM 2340 B, APHA 23rd Edition, 2017	Calculation
15	Water	Magnesium Hardness as CaCO3	SM 2340 B, APHA 23rd Edition, 2017	Calculation



10/07/1445 : تاريخ الانتهاء / Expire Date

10/06/1439: تاريخ الاصدار / Issue Date

N-T-00060

Calculation	ASTM D3739-06 -2006	Langelier's Index -LSI	Water	16
Conductivity Meter	SM 2510, APHA 23rd Edition, 2017	Determination of Resistivity in Water at 25°C	Water	17
Gravimetry	AS/NZS 2853:1996	Determination of Loss on Ignition (LOI)	Soil	18
Gravimetry	SM 2530, APHA 23rd Edition, 2017	Floatables	Water	19
Sieve	ASTM D 422	Particle Size Analysis	Soil	20
Calculation	SM 4500-CO ₂ , APHA 23rd Edition, 2017	Free and Total Carbon Dioxide (CO ₂)	Water	21
N/A	SM 2160 B, APHA 23rd Edition, 2017	Taste in Water (Flavour Threshold Test)	Water	22
N/A	SM 2170 B, APHA 23rd Edition, 2017	Determination of Odor in Water	Water	23
Ion Chromatography	SM 4110 B, APHA 23rd Edition, 2017 / US EPA 300.1	Determination of Anions by Ion Chromatography	Water	24
Ion Chromatography	US EPA 300.1 Part B	Determination of Inorganic Disinfection By-Products in Water by Ion Chromatography	Water	25
Titrimetry	SM 2320 B, APHA 23rd Edition, 2017	Hydroxide Alkalinity as CaCO ₃	Water	26
Titrimetry	SM 2320 B, APHA 23rd Edition, 2017	Carbonate Alkalinity as CaCO ₃	Water	27
Titrimetry	SM 2320 B, APHA 23rd Edition, 2017	Bicarbonate Alkalinity as CaCO ₃	Water	28
Titrimetry	SM 2320 B, APHA 23rd Edition, 2017	Total Alkalinity as CaCO ₃	Water	29
Titrimetry	SM 2310 B, APHA 23rd Edition, 2017	Acidity as CaCO ₃	Water	30
ICP -AES	USEPA 6010 ICP/AES	Dissolved Sulphur as SO ₄ by ICP-AES	Water	31



10/07/1445 : تاريخ الانتهاء / Expire Date

10/06/1439: تاريخ الاصدار / Issue Date

N-T-00060

ICP -AES	USEPA 6010 ICP/AES	Sulphate, Total as SO4	Water, Soil	32
Discrete Analyser	SM 4500-CI- B, APHA 23rd Edition, 2017	Chloride	Water, Soil	33
ICP- AES	US EPA 6010 ICP/AES	Determination of Major Cations (Ca, Mg, K, Na) by ICP-AES	Soil / Water	34
ICP -AES	USEPA 6010 ICP/AES	Metals by ICP-AES	Soil / Water	35
ICP-MS	US EPA 6020 ICP/MS	Metals by ICP-MS	Soil / Water	36
FIMS	SM 3112 B, APHA 23rd Edition, 2017	Mercury by Flow Injection Mercury - Atomic Absorption Spectrometry (FIMS-AAS)	Soil / Water	37
ICP	SM 3500-Cr A & B, APHA 23rd Edition, 2017	Trivalent Chromium (Cr III)	Soil / Water	38
Discrete Analyser	SM 3500-Cr B, APHA 23rd Edition, 2017	Hexavalent Chromium by Discrete Abalyser	Water	39
Discrete Analyser	SM 3500-Cr B, APHA 23rd Edition, 2017	Determination of Ferrous Iron by Discrete Analyser	Water	40
ICP-AES	US EPA 6010 ICP-AES	Silica (SiO2)	Water	41
Discrete Analyser	SM 3500-Fe B, APHA 23rd Edition, 2017	Determination of Ferric Iron by Discrete Analyser	Water	42
Chlorine Meter	SM 4500-CI G, APHA 23rd Edition, 2017	Total Residual Chlorine	Water	43
Chlorine Meter	SM 4500-CI G, APHA 23rd Edition, 2017	Free Chlorine	Water	44
Chlorine Meter	HACH Method 10126	Chlorine Dioxide	Water	45
Segmented Flow Analyzer	SM 4500-CN- C & N, APHA 23rd Edition, 2017	Free Cyanide	Soil / Water	46
Segmented Flow Analyzer	SM 4500-CN- O, APHA 23rd Edition, 2017; ASTM D7511-12; ISO 14403	Total Cyanide by Segmented Flow Analyzer	Soil / Water	47



10/07/1445 : تاريخ الانتهاء / Expire Date

10/06/1439: تاريخ الاصدار / Issue Date

N-T-00060

Segmented Flow Analyzer	SM 4500-CN- C&N, APHA 23rd Edition, 2017	Weak Acid Dissociable Cyanide (WAD)	Soil / Water	48
ISE	SM 4500-F- C, APHA 23rd Edition, 2017	Fluoride	Soil / Water	49
Titrimetry	SM 4500-NH3 H, APHA 23rd Edition, 2017	Ammonia as N by Titrimetry	Soil / Water	50
Discrete Analyser	SM 4500-NH3 H, APHA 23rd Edition, 2017	Ammonia as N by Discrete Analyser	Soil / Water	51
Discrete Analyser	SM 4500-NO2-, B, APHA 23rd Edition, 2017	Nitrite as N by Discrete Analyser	Soil / Water	52
Calculation	Nemi Method 9171; Thermo-Scientific Method NOxW-C-I	Nitrate as N	Soil / Water	53
Discrete Analyser	Nemi Method 9171; Thermo-Scientific Method NOxW-C-I	Nitrate as N + Nitrite as N (Nox) by Discrete Analyser	Soil / Water	54
Calculation	SM 4500 B & H, APHA 23rd Edition, 2017	Organic Nitrogen	Soil / Water	55
Discrete Analyser	SM 4500-Norg D, APHA 23rd Edition, 2017; Aquakem Labmedics TKN002	Total Kjeldahl Nitrogen (TKN) as N	Soil / Water	56
Discrete Analyser	SM 4500-P H, APHA 23rd Edition, 2017	Total Phosphorus as P	Soil / Water	57
Discrete Analyser	SM 4500-P G, APHA 23rd Edition, 2017; Aquakem Labmedics PHO002/002/003	Reactive Phosphorus as P	Soil / Water	58
Calculation	SM 4500-S2 H, APHA 23rd Edition, 2017	Un-ionised Hydrogen Sulfide	Soil / Water	59
Spectrophotometer	SM 4500-S2 D, APHA 23rd Edition, 2017	Sulphide as S2- by Methylene Bue Method	Soil / Water	60
Titrimetry	SM 4500-SO32- D, APHA 23rd Edition, 2017	Sulphite as SO3	Water	61
Titrimetry	In-house Method	Thiosulfate as S2O32-	Water	62



10/07/1445 : تاريخ الانتهاء / Expire Date

10/06/1439: تاريخ الاصدار / Issue Date

N-T-00060

TOC Analyser	SM 5310 B, APHA 23rd Edition, 2017	Dissolved Organic Carbon (DOC)	Water	63
Titrimetry	AS 1289.4.1.1-1997	Organic Matter	Soil	64
Calculation	AS 1289.4.1.1-1997	Total Organic Carbon (TOC)	Soil	65
TOC Analyser	SM 5310 B, APHA 23rd Edition, 2017	Determination of Total Organic Carbon	Water	66
TOC Analyser	SM 5310 B, APHA 23rd Edition, 2017	Determination of Total Carbon (TC)	Water	67
TOC Analyser	SM 5310 B, APHA 23rd Edition, 2017	Determination of Total Inorganic Carbon	Water	68
Spectrophotometer	SM 10200 H, APHA 23rd Edition, 2017	Chlorophyll	Water	69
Discrete Analyser	ASTM D6303-98	Formaldehyde	Water	70
Gravimetry	SM 5520 B, APHA 23rd Edition, 2017	Oil and Grease	Water	71
DO Meter	SM 4500-O G, APHA 23rd Edition, 2017	Dissolved Oxygen	Water	72
Titrimetry	SM 5220 C, APHA 23rd Edition, 2017	Chemical Oxygen Demand (COD)	Soil / Water	73
Titrimetry	ISO 15705:2002	Chemical Oxygen Demand - Sealed Tube Small Scale	Water	74
Discrete Analyser	SM 5530 B & D, APHA 23rd Edition, 2017	Phenolics – Total	Water	75
Spectrophotometer	SM 5540 B & C, APHA 23rd Edition, 2017 / Srinivasarao Chitikela et. Al - DCEE University of Delaware, Newark, DE 19716,	Determination of Anionic Surfactant as MBAS	Water	76
Gas Chromatography	US EPA 8270 GC/MS	PCB Analysis by GCMS (SIM) Using Summation of Homologous Congener Bands	Soil / Water	77
Gas Chromatography	USEPA 8270 GC/MS	Pesticides by GC/MS	Soil / Water	78



10/07/1445 : تاريخ الانتهاء / Expire Date

10/06/1439: تاريخ الاصدار / Issue Date

N-T-00060

Gas Chromatography	US EPA 8260 P&T / GCMS / US EPA 8015 GCFID	Extractable Petroleum Hydrocarbons Analysis - Aliphatic / Aromatic	Soil / Water	79
Gas Chromatography	US EPA 8015 GC/FID	Total Petroleum Hydrocarbon Analysis	Soil / Water	80
Gas Chromatography	US EPA 8260 P&T / GCMS	Volatile Organic Compound Analysis	Soil / Water	81
Gas Chromatography	US EPA 8270 GCMS	Semi-Volatiles Organic Scan and SIM	Soil / Water	82
Gas Chromatography	US EPA 8260 P&T GCMS	BTEX Analysis	Soil / Water	83
Gas Chromatography	US EPA 8260 P&T GCMS	Aliphatic / Aromatic TPH (C5-C6)	Soil / Water	84
Salt Analyzer	ASTM D3230-13	Determination of Salts in Crude Oil by Electrometric Method	Crude Oil	85
Density meter / API Hydrometer	ASTM D4052-16	Density, Relative Density and API Gravity of Liquids by Digital Density Meter	Oil, Fuel	86
Density Meter	ASTM D5002-16	Density and Relative Density of Crude Oil by Digital Density Meter	Crude Oil	87
Pycnometer	ASTM D70-17	Density of Semi-Solid Bituminous Materials by Pycnometer	Bitumen, Asphalt, Soft Tar	88
Pensky-Martens Closed Cup Flash Point Tester	ASTM D93-16a	Flash Point by Pensky-Martens Closed Cup Tester	Oil, Fuel	89
Digital Viscometer	ASTM D7042-16	Determination of Dynamic Viscosity of Oil and Fuel by Stabinger Viscometer (SVM 3000/G2) and Calculation of Kinematic Viscosity	Oil, Fuel (Petroleum)	90
Karl Fischer Titrator	ASTM E203-08; ASTM D4377-2011	Determination of Water Content in Crude Oil and Petroleum Products Using Volumetric Karl Fischer Titrator	Oil, Fuel	91



10/07/1445 : تاريخ الانتهاء / Expire Date

10/06/1439: تاريخ الاصدار / Issue Date

N-T-00060

Centrifuge	ASTM D1796-11 (2016)	Determination of Water and Sediment in Fuels and Oils by the Centrifuge Method	Oil, Fuel	92
Calculation	PE-TPHC	Total PHC in Oil	Oil, Fuel	93
None	ASTM E260-16 / ASTM E12.04	Evaluation of Physical Appearance of Liquid and Solid Chemicals for Industrial Use	Industrial Chemicals	94
Pycnometer	ISO 758:1976	Determination of Density of Liquid Chemical Products for Industrial use by Pycnometer	Industrial Chemicals	95
Karl Fischer Titrator	ISO 760:1978	Determination of Water / Moisture Content of Liquids and Solid Chemicals for Industrial Use by Volumetric Karl Fischer Titrator	Industrial Chemicals	96
Potentiometry	ISO 6227:1982	Determination of Chloride Ions in Chemical Products for Industrial Use by Potentiometric Method	Industrial Chemicals	97
Discrete Analyser	US EPA 325.2	Determination of Chloride in Distilled Water by Discrete Analyser	Distilled Water	98
ICP-OES	USP 29 p. 3428	Determination of Trace Elements in Sodium Sulfite by ICP-OES	Sodium Sulfite	99
Titrimetry	USP 29 p. 3248	Determination of Purity for Sodium Sulfite by Titrimetry	Sodium Sulfite	100
Titrimetry	USP 29 p. 3248	Determination of Sulfite Content of Sodium Sulfite by Titrimetry	Sodium Sulfite	101
Titrimetry	USP 29 p. 1970	Determination of Purity for Sodium Carbonate by Titrimetry	Sodium Carbonate	102



10/07/1445 : تاريخ الانتهاء / Expire Date

10/06/1439: تاريخ الاصدار / Issue Date

N-T-00060

PMCC Flash Point Tester	ASTM D93-16a	Determination of Flash Point of Cold Cleaner and Degreaser by Pensky Martens Closed Cup Tester	Solvent Degreaser	103
ICP-OES	ASTM E223-16	Determination of Trace Elements in Sulfuric acid (Electrolyte Solution) by ICP-OES	Industrial Chemicals / Sulfuric acid	104
Titrimetry	ASTM E202-12	Determination of Acidity in ethylene Glycol by Titrimetry	Ethylene Glycol	105
Pycnometer	ASTM D891-09	Determination of Specific Gravity of Liquid Industrial Chemicals by Pycnometer	Liquid Industrial Chemicals	106
Flas	NF-T 20-046 (AFNOR)	Determination of Water Solubility of Solid and Liquid Chemical Products vy Flask Method	Industrial Chemicals	107
Titrimetry	ACS Chem. Anal. Ed. 1935, pp. 44-45	Determination of Available Chlorine in Hyphochlorite Solution by Titrimetry	Sodium Hypochlorite	108
pH Meter	ASTM E70-07-2015	determination of pH Aqueous Solution using pH Meter	Industrial Chemicals	109
Gas Chromatography	US EPA 8260	Determination of Dichloromethane and trichloromethane in Solvent Cleaner (Degreaser) by GC-MS	Solvent Cleaner	110
Gravimetry	SM 2540 C, APHA 23rd Edition, 2017	Determination of Dissolved Solids in Distilled Water by Gravimetry	Distilled Water	111
Incubator	AS/NZS 4276.14:1995	Detection of Salmonella spp. in Soil	Soil, Sediments, Sludge	112



10/07/1445 : تاريخ الانتهاء / Expire Date

10/06/1439: تاريخ الاصدار / Issue Date

N-T-00060

Incubator	FAO Soil Bulletin 7	Enumeration of Aerobic Bacteria in Soil, Sediments and Sludge by Pour Plate Method	Soil, Sediments, Sludge	113
Incubator	ISO 4832:2006	Enumeration of Coliforms in Soil, Sediments and Sludge by Colony Count Technique	Soil, Sediments, Sludge	114
Incubator	ISO 4832:2006 with 2009 corrigendum; ISO 7251:2005	Enumeration of Faecal (Thermotolerant) Coliform and Escherichia coli in Soil, sludge and Sediments by Colony Count Technique	Soil, Sediments, Sludge	115
Incubator	AS/NZS 4276.6:2007	Enumeration of Thermotolerant (Faecal) Coliform and E. coli in Soil, Sludge and Sediments by Most Probable Number	Soil, Sediments, Sludge	116
Microscope	WHO-EM/CEH/121/E Ch.7	Helminths Ova in sludge	Soil, Sludge	117
Microscope	WHO-EM/CEH/121/E Ch. 8	Enumeration of Viable Helminth Ova in Sludge	Soil, Sludge	118
Incubator	AS/NZS 4276.3.1:2007; SM 9215 B, APHA 23rd Edition, 2017	Enumeration of Heterotrophic Plate Count in Water by Pour Plate Method	Water	119
Quanti-Tray / Incubator	SM 9223 B, APHA 23rd Edition, 2017	Enumeration of Coliforms and Escherichia coli - Estimate of Most Probable Number (MPN) Using Enzyme Hydrolysable Substrates (Colilert 18 / Quanti-Tray)	Water	120
Incubator	SM 9221 B, APHA 23rd Edition, 2017	Enumeration of Total Coliform by Most Probable Number (MPN) Method (APHA 9221 B)	Water	121



10/07/1445 : تاريخ الانتهاء / Expire Date

10/06/1439: تاريخ الاصدار / Issue Date

N-T-00060

Incubator	AS/NZS 4276.7:2007	Enumeration of E. coli in Water by Membrane Filtration Method	Water	122
Incubator	AS/NZS 4276.7:2007	Enumeration of Thermotolerant (Faecal) Coliform in Water by Membrane Filtration Method	Water	123
Incubator	AS/NZS 4276.5:2007	Enumeration of Total Coliform s by Membrane Filtration Method	Water	124
Incubator	AS/NZS 4276.6:2007	Enumeration of E. coli in Water by MPN Technique	Water	125
Incubator	AS/NZS 4276.6:2007	Enumeration of Thermotolerant (Faecal) Coliform in Water by MPN Technique	Water	126
Incubator	AS/NZS 4276.6:2007	Enumeration of Total Coliforms in Water by Most Probable Number (MPN) Technique	Water	127
Incubator	AS/NZS 4276.13:2008	Enumeration of Pseudomonas aeruginosa in Water by Membrane Filtration (MF) Method	Water	128
Incubator	AS/NZS 4276.11:1995	Enumeration of Pseudomonads in Water by Membrane Filtration (MF) Technique	Water	129
Incubator	SM 9230 C, APHA 23rd Edition, 2017	Enumeration of Faecal Streptococci in Water by Membrane Filtration (MF) Technique	Water	130
Incubator	AS/NZS 4276.8:1995	Enumeration of Faecal Streptococci in Water by Most Probable Number (MPN) Technique	Water	131



10/07/1445 : تاريخ الانتهاء / Expire Date

10/06/1439: تاريخ الاصدار / Issue Date

N-T-00060

Incubator	SM 9240 D, APHA 23rd Edition, 2017	Sulphate Reducing Bacteria - Most Probable Number (MPN) Method	Water	132
Microscope	WHO-EM/CEH/121/E Ch.7	Helminths Ova in Wastewater	Water	133
Microscope	WHO-EM/CEH/121/E Ch. 8	Enumeration of Viable Helminth Ova in Wastewater	Water	134
Incubator	AS/NZS 4276.9:2007	Enumeration of Enterococci spp. in Water by Membrane Filtration (MF) Technique	Water	135
Incubator	SM 9610 B & C, APHA 23rd Edition, 2017	Enumeration of Yeast and Moulds in Water by Pour Plate Technique	Water	136
Incubator	ISO 11731:2017	Enumeration of Legionella spp. including L. pneumophila in Water by Direct Membrane Filtration Technique	Water	137
Incubator	ISO 14189:2013	Enumeration of Clostridium perfringens in Water by Membrane Filtration (MF) Technique	Water	138
Incubator	AS/NZS 4276.20:2003	Enumeration of Coagulase-Positive Staphylococci (including Staphylococcus aureus) in Water by Membrane Filtration (MF) Technique	Water	139
Incubator	SM 9215D, APHA 23rd Edition, 2017	Enumeration of Heterotrophic Plate Count in Water by Membrane Filtration (MF) Technique	Water	140



10/07/1445 : تاريخ الانتهاء / Expire Date

10/06/1439: تاريخ الاصدار / Issue Date

N-T-00060

Incubator	SM 9221 E & F, APHA 23rd Edition, 2017	Enumeration of Thermotolerant (Faecal) Coliform and E. coli in Water by Most Probable Number (MPN) Method	Water	141
Incubator	The Microbiology of Drinking Water (2020) - Part 6, Environment Agency, UK	Enumeration of Sulphite Reducing Clostridia in Water by Membrane Filtration (MF) Technique	Water	142
Incubator	AS/NZS 4276.15:2004	Detection of Vibrio cholerae and Vibrio species in Water	Water	143
BART Kit / Incubator	SM 9240 D, APHA 23rd Edition, 2017	Enumeration of Sulfate Reducing Bacteria using Biological Activity Reaction Test (BART)	Water	144
Incubator	AS/NZS 4276.3.1:2007; SM 9215 B, APHA 23rd Edition, 2017	Enumeration of Anaerobic Bacteria Count in Water by Pour Plate Method	Water	145
BART Kit / Incubator	Droycon Bioconcepts, Inc.	Iron Related Bacteria Using Biological Activity Reaction Test (BART) System	Water	146
BART Kit / Incubator	Droycon Bioconcepts, Inc.	Acid Producing Bacteria Using Biological Activity Reaction Test (BART) System	Water	147
Incubator	NACE Standard TM194-2004 Item No. 21224	Enumeration of Acid Producing Bacteria in Water by Most Probable Number (MPN) Technique	Water	148
Incubator	The Microbiology of Drinking Water 2002	Detection of Yersinia enterocolitica in Water	Water	149
Incubator	AS/NZS 5013.2:2007	Enumeration of Bacillus cereus in Water by Membrane Filtration (MF) Technique	Water	150



10/07/1445 : تاريخ الانتهاء / Expire Date

10/06/1439: تاريخ الاصدار / Issue Date

N-T-00060

Incubator	In-House Method	Enumeration of Enterobacteriaceae in Water by Membrane Filtration Technique	Water	151
Incubator	SM 9222, APHA 23rd Edition, 2017	Enumeration of Klebsiella in Water by Membrane Filtration (MF) Technique	Water	152
BART Kit / Incubator	Droycon Bioconcepts, Inc.	Enumeration of Nitrate Reducing Bacteria (Nitrifying Bacteria) using Biological Activity Reaction Test (BART) System	Water	153
BART Kit / Incubator	Droycon Bioconcepts, Inc.	Enumeration of Slime Forming Bacteria in Water Using Biological Activity Reaction Test (BART) System	Water	154
Incubator	SM 9213 F, APHA 23rd Edition, 217	Enumeration of Pseudomonas aeruginosa in Water by Most Probable Number	Water	155
Incubator	ISO 11731:2017	Detection of Legionella in Water	Water	156
pH Meter	SM 4500-H+ B, APHA 23rd Edition, 2017	pH	Water, Soil	157
ICP-AES	SM 3120 (Ca, Mg, Na-A) APHA 23rd Edition, 2017	Sodium Absorption Ratio (SAR)	Water, Soil	158
Calculation	ASTM C602	Calcium Carbonate Equivalent	Soil	159
Gasometry	ASTM D4373-2	Carbonate (CO3)	Soil	160
Conductivity Meter	SM 2510 B, APHA 23rd Edition, 2017	Conductivity	Water, Soil	161
SDI Kit	ASTM D4189-07	Silt Density Index	Water	162
Calculation	SM 2510 B, APHA 23rd Edition, 2017	Salinity (Non-Marine Estimated TDS)	Water	163



10/07/1445 : تاريخ الانتهاء / Expire Date

10/06/1439: تاريخ الاصدار / Issue Date

N-T-00060

Gravimetry	SM 2540 D, APHA 23rd Edition, 2017	Determination of Total Suspended Solids (TSS) at 104±1°C	Water	164
ORP Meter	SM 2580, APHA 23rd Edition, 2017	Determination of Redox Potential (ORP)	Water	165
Thermometer	SM 2550, APHA 23rd Edition, 2017	Temperature	Water	166
Gravimetry	WHO-US EPA 9071B	Oil and Grease (N-Hexane Extractable Material (HEM)) in Soil, Sludge and Sediments Sample	Soil	167
DO Meter	SM 5210 B, APHA 23rd Edition, 2017	Biochemical Oxygen Demand (BOD)	Water	168
Incubator	ISO 11731:2017	Enumeration of Legionella by Cultivation	Water, Swab	169
Incubator	ISO 19250:2010	Detection of Salmonella spp. in Water	Water	170
Gravimetry	SM 5520 F, APHA 23rd Edition, 2017	Total Petroleum Hydrocarbon (TPH)	Water	171



10/07/1445 : تاريخ الانتهاء / Expire Date

10/06/1439: تاريخ الاصدار / Issue Date

N-T-00060