

Accreditation Scope

**Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)**

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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)
Microbiology	Food	Sampling	SOP-MB-22 Issue No: 01: 01/05/2008 Rev. 9:14/12/2019	S
		Aerobic Plate Count	USFDA BAM Chapter 3 (2001)	P
		Enumeration of Enterobacteriaceae	CCFRA 2.3.1:2007	
		Enumeration of Yeast and Moulds	CCFRA 2.1.1:2007	
		Enumeration of Coliforms by Colony Count Method	CCFRA 2.2.1:2007	
		Enumeration of Coliform- 3M Petrifilm Coliform Colony count plate method	CCFRA 2.2.2:2003	
		Coliforms by MPN Method	CMMEF 9.71, 5 th Edition (2015)	
		Fecal Coliforms by MPN Method	CMMEF 9.81, 5 th Edition (2015)	
		E. coli by MPN Method	CMMEF 9.91, 5 th Edition (2015)	
		Enumeration of E.coli- 3M Petrifilm E.coli Colony count plate method	CCFRA 2.4.3:2007	
		Detection of E.coli O 157 H7	AOAC 2000.14, 18 th Edition (2010) - Reveal Microbial Screening test by Neogen Corporation	
		Enumeration of Coagulase Positive Staphylococcus aureus	CCFRA 3.5.1:2007	

Accreditation Scope

Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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)
Microbiology	Food	Detection of Salmonella spp, Cultural Method	CCFRA 3.1.2:2007	P
		Salmonella Confirmatory Test	CCFRA 3.1.5:2007	
		Enumeration of Bacillus cereus	USFDA BAM Chapter 14 (2012)	
		Enumeration of Clostridium perfringens	CCFRA 3.6.1:2007	
		Detection of Listeria Spp.	Reveal Microbial Screening Test for Listeria by Neogen Corporation AOAC Approved	
		Listeria monocytogenes	BAM Chapter 10:2016	
		Detection of Vibrio parahaemolyticus	CCFRA 3.8.2:2007	
		Detection of <i>Campylobacter</i> spp.	ISO 10272-1:2017	
	Potable/ Drinking Water/ Dialysis Water	Sampling	SOP-MB-19 Issue No: 01:16/12/2007 Rev. 7:14/12/2019	S
	Water	Heterotrophic Plate Count	APHA AWWA 9215B 23 rd Ed. (2017)	P
		Enumeration of Total Coliforms	APHA AWWA 9222B 23 rd Ed. (2017)	
Enumeration of Fecal coliforms		APHA AWWA 9222B and 9222G 23 rd Ed. (2017)		
Enumeration of E. coli		APHA AWWA 9222B and 9222H 23 rd Ed. (2017)		

Accreditation Scope

Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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)
Microbiology	Water	Enumeration of Pseudomonas aeruginosa	NSM W6 Issue No.3 (2007)	P
		Enumeration of Fecal Streptococci	APHA AWWA 9230C 23 rd edition (2017)	
		Legionella	ISO 11731:2017	
		Sampling for legionella	BS 7592:2008	
		Enumeration of Yeast and Mould	APHA AWWA 9610D 23 rd Ed. (2017)	
		Total Coliforms by MPN	APHA AWWA 9221B 23 rd Ed. (2017)	
		Fecal coliforms by MPN	APHA AWWA 9221E.1, 23 rd Ed. (2017)	
		E. coli by MPN	APHA AWWA 9221F 23 rd Ed. (2017)	
		Endotoxin	Chromogenic LAL Endotoxin Assay Controlled Kit brochure 05/2018	
	Water & Ice	Enumeration of Staphylococcus aureus	National Standard Method, NSM W10:2005	
Environment - Air	Total Viable Count - Total Yeast and Mould Count - Total Bacterial Count	IESO Method 1220, 2 nd Ed.(2003) Method 800, NIOSH, 4 th Ed.(1998)		
Swab (Hand/ Surface)	Sampling	SOP-MB-21 Issue No: 01:16/12/2007 Rev. 6:08/06/2017	S	

Accreditation Scope

Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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)	
Microbiology	Swab (Hand/ Surface)	Enumeration of Coliform- 3M Petrifilm Coliform Colony count plate method	CCFRA 2.2.2:2003	P	
	Swab (Hand/ Surface)	Enumeration of E.coli- 3M Petrifilm E.coli Colony count plate method	CCFRA 2.4.3:2007		
	Hand Swab	Aerobic Colony Count	USFDA BAM Chapter 3 (2001)		P
		Enumeration of Total Coliforms	CCFRA 2.2.1:2007		
		Enumeration of Staphylococcus aureus	CCFRA 3.5.1:2007		
	Surface Swab	Aerobic Colony Count	USFDA BAM Chapter 3 (2001)		P
		Enumeration of Total Coliforms	CCFRA 2.2.1:2007		
		Enumeration of E. coli	CCFRA 2.4.4:2007		
	Geotechnical	Geotechnical- Soil Investigation using Rotary and Percussion	Ground Water Level Measurement		BS 5930:2015 Cl. 52.2, 52.3, 52.5 and 52.10
Ground Water Sampling			BS 5930:2015 Cl. 26.4		
Soil and Rock Sampling			BS 5930:2015 Cl. 25		
Determination of Penetration resistance using Split Barrel Sampler			BS 1377 part 9:1990 Cl. 3.3 AMD 8264:1995, BS 5930:2015	P / S	
Soil and Rock Description			BS 5930:2015 Cl. 33 and 36		
Rock Quality Designation			BS 5930:2015 Section 6		
Core Recovery			BS 5930:2015 Section 6		
Reporting			BS 5930:2015 Section 10		P

Accreditation Scope

Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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)
Physical	Soil	Determination of In-Situ Density by Sand Replacement Method	BS 1377 Part 9:1990 Cl. 2.2 AMD 8264-1995	S
		Determination of Dry Density Moisture Content Relationship	BS 1377 Part 4:1990, Cl. 3.5 and 3.6 AMD 13925 – 2002	P
		Determination of Particle Size Distribution	BS 1377 Part 2:1990 Cl. 9.2 and 9.3 AMD 9027-1996	
		Determination of California Bearing Ratio	BS 1377 Part 4:1990 Cl. 7.2.3 AMD 13925 - 2002	
		California Bearing Ratio of Laboratory Compacted soils	ASTM D 1883:2016	
		Determination of Liquid Limit	BS 1377 Part 2:1990 Cl. 4.3 AMD 9027-1996	
		Determination of Plastic Limit and Plasticity Index	BS 1377 Part 2:1990 Cl. 5.3 and 5.4 AMD 9027-1996	
		Determination of Particle Size Distribution by Hydrometer Method	BS 1377 Part 2:1990 Cl. 9.5 AMD 9027-1996	
		Determination of Water (Moisture) Content of soil sample	BS 1377 Part 2:1990 Cl. 3.2 AMD 9027-1996	
	Soil & Rock	Determination of Water (Moisture) Content of soil & Rock sample	ASTM D2216:10	P
	Rock	Preparation of rock Core	ASTM D4543:08	
Unconfined Compressive Strength		ASTM D 7012:2014 ^{E1} , Method C		

Accreditation Scope

Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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)
Physical	Aggregates	Determination of Particle Size Distribution - Sieve tests	BS 812 Part 103-1:1985	P
		Determination of Particle Size Distribution – Sieving method	BS EN 933-1:2012	
		Determination of Flakiness Index of Aggregates	BS 812 Part 105-1:1989	
		Determination of Elongation Index of Aggregates	BS 812 Part 105-2:1990	
		Determination of Shell Content in Coarse Aggregates	BS 812 Part 106:1985	
		Determination of Shell Content in Coarse Aggregates	BS EN 933-7:1998	
		Determination of Crushing Value	BS 812 Part 110:1990	
		Determination of Ten Percent Fines Value	BS 812 Part 111:1990	
		Determination of Soundness of Aggregates by use of Sodium Sulphate and Magnesium Sulphate	ASTM C 88:18	
		Material Finer Than 75 Microns sieve in Mineral Aggregates by Washing	ASTM C 117:17	
		Specific Gravity and water Absorption of Coarse Aggregates	ASTM C 127:2015	
		Specific Gravity and Water Absorption of Fine Aggregates	ASTM C 128:2015	
		Sieve Analysis of Fine and Coarse Aggregates	ASTM C 136:2014	

Accreditation Scope

Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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)
Physical	Aggregates	Determination of Clay Lumps and Friable Particles	ASTM C 142:2017	P
		Determination of Sand Equivalent Value	ASTM D 2419:2014	
		Determination of Aggregate Impact Value	BS 812 Part 112:1990	
	Concrete	Determination of density of hardened concrete	BS 1881 Part 114:1983	
		Method of normal curing of test specimens	BS 1881 Part 111:1983	
		Compressive strength of concrete cubes	BS 1881 Part 116:1983,	
		Shape, dimension and other requirements for specimen	BS EN 12390 Part 1:2012	
		Making and Curing of specimen for strength test	BS EN 12390 Part 2:2019	
		Compressive strength of test specimens	BS EN 12390 Part 3: 2019	
		Density of Hardened Concrete	BS EN 12390 Part 7: 2019	
		Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	ASTM C 1202:2017	
		Determination of Depth of Penetration of Water under Pressure	BS EN 12390 Part 8:2009	
		Determination of Water Permeability	DIN 1048 Part 5:1991	
		Determination of Water Absorption of Hardened Concrete	BS 1881 Part 122:2011	
		Determination of Initial Surface Water Absorption of Concrete	BS 1881 Part 208:1996	

Accreditation Scope

**Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)**

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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)
Physical	Steel Rebar	Tensile Strength	BS 4449:1988	P
		Tensile Strength	BS 4449:1997 BS EN 10002:2001	
		Tensile Strength	BS4449:2005+A3:2016, BS EN ISO 6892-1: 2009	
Chemical	Aggregates	Chloride Content of Agg. using Nitric Acid Extract for Agg. containing chloride not extracted by water	BS 812 Part 117:1988	P
		Total Sulphate by Acid Extraction Method	BS 812 Part 118:1988	
		Organic Impurities in Fine Aggregates for Concrete	ASTM C40 - 19	
	Concrete	Determination of Chloride Content in Hardened Concrete	BS 1881 Part 124:2015 Cl. 12.1	P
		Determination of Sulphate Content in Hardened Concrete	BS 1881 Part 124:2015 Cl. 12.2	
	Ground Water	Determination of the pH value of Groundwater	BS 1377-3:2018 Cl. 12	P
		Determination of sulphate content of Groundwater	BS 1377-3:2018 Cl. 7.6, 7.8	
		Determination of Chloride content in Ground Water	BS 1377-3:2018 Cl. 9.1	
	Soil	Determination of the pH value of soil	BS 1377-3:2018 Cl. 12	P
		Determination of Water soluble sulphate in soil	BS 1377-3:2018 Cl. 7.3, 7.6	

Accreditation Scope

Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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	Soil	Determination of acid soluble sulphate	BS 1377-3:2018 Cl. 7.6, 7.9	P
		Determination of Water soluble chloride content	BS 1377-3:2018 Cl. 9.2	
		Determination of acid soluble chloride content	BS 1377-3:2018 Cl. 9.3	
		Organic Matter content of Soil	BS 1377 Part 3:2018 Cl. 4	
	Drinking Water	pH	APHA AWWA 23 rd Ed:2017, 4500 H+ B	P
		Electrical Conductivity@25 °C	APHA AWWA 23 rd Ed:2017, 2510 B	
		Total Dissolved Solids	APHA AWWA 23 rd Ed:2017, 2540 C	
		Total Suspended Solids	APHA AWWA 23 rd Ed:2017, 2540 D	
		Chloride	APHA AWWA 23 rd Ed:2017, 4500 Cl B	
		Sulphate	APHA AWWA 23 rd Ed:2017, 4500 SO ₄ ²⁻ C, Hach 8051	
		Calcium	APHA AWWA 23 rd Ed:2017, 3500 Ca B	
		Magnesium	APHA AWWA 23 rd Ed:2017, 3500 Mg B	

Accreditation Scope

Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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	Drinking Water	Total Hardness	APHA AWWA 23 rd Ed:2017, 2340 C	P
		Total Alkalinity to 4.4	APHA AWWA 23 rd Ed:2017, 2320 B	
		Copper	APHA AWWA 23 rd Ed:2017- 3111B, 3030F	
		Zinc		
		Iron		
		Nickel		
		Manganese		
	Chromium			
	Sea Water	pH	APHA AWWA 23 rd Ed:2017, 4500 H+ B	P
		Total Dissolved Solids	APHA AWWA 23 rd Ed:2017, 2540 C	
		Total Suspended Solids	APHA AWWA 23 rd Ed:2017, 2540 D	
		Chloride	APHA AWWA 23 rd Ed:2017, 4500 Cl B	
		Sulphate	APHA AWWA 23 rd Ed:2017, 4500 SO ₄ ²⁻ C	
Chemical Oxygen Demand		SOP-CH-49 Issue 01/01- 3-2020, Rev 0 and APHA AWWA 23 rd Ed:2017, 5220 B		

Accreditation Scope

**Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)**

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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	Sea Water	Bio Chemical Oxygen Demand	APHA AWWA 23 rd Ed:2017, 5210 D	P
		Oil and Grease	APHA AWWA 23 rd Ed:2017, 5520 B	
		Copper	APHA AWWA 23 rd Ed:2017- 3111B, 3030F	
		Iron	APHA AWWA 23 rd Ed:2017- 3111B, 3030F	
		Zinc	APHA AWWA 23 rd Ed:2017- 3111B, 3030F	
		Nickel	APHA AWWA 23 rd Ed:2017- 3111B, 3030F	
	Waste Water	pH	APHA AWWA 23 rd Ed:2017, 4500 H+ B	P
		Total Dissolved Solids	APHA AWWA 23 rd Ed:2017- 2540 C	
		Total Suspended Solids	APHA AWWA 23 rd Ed:2017, 2540 D	
		Oil and Grease	APHA AWWA 23 rd Ed:2017, 5520 B	
		Chemical Oxygen Demand	APHA AWWA 23 rd Ed:2017, 5220 B	
		Biochemical Oxygen Demand	APHA AWWA 23 rd Ed:2017, 5210 D	
		Zinc	APHA AWWA 23 rd Ed:2017- 3111B, 3030F	

Accreditation Scope

Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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	Waste Water	Copper	APHA AWWA 23 rd Ed:2017- 3111B, 3030F	P
		Iron	APHA AWWA 23 rd Ed:2017- 3111B, 3030F	
		Manganese	APHA AWWA 23 rd Ed:2017- 3111B, 3030F	
		Chromium	APHA AWWA 23 rd Ed:2017- 3111B, 3030F	
		Nickel	APHA AWWA 23 rd Ed:2017- 3111B, 3030F	
		Cobalt	APHA AWWA 23 rd Ed:2017- 3111B, 3030F	
	Cadmium	APHA AWWA 23 rd Ed:2017- 3111B, 3030F		
	Ground Water	pH	APHA AWWA 23 rd Ed:2017, 4500 H+ B	
		Total Dissolved Solids	APHA AWWA 23 rd Ed:2017, 2540 C	
		Chloride	APHA AWWA 23 rd Ed:2017,4500 Cl B	
		Sulphate	APHA AWWA 23 rd Ed:2017, 4500 SO ₄ ²⁻ C	
		Total Suspended Solids	APHA AWWA 23 rd Ed:2017, 2540 D	
Oil and Grease		APHA AWWA 23 rd Ed:2017,5520 B		

Accreditation Scope

Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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	Ground Water	Chemical Oxygen Demand	APHA AWWA 23 rd Ed:2017, 5220 B	P
		Biochemical Oxygen Demand	APHA AWWA 23 rd Ed:2017, 5210 D	
		Zinc	APHA AWWA 23 rd Ed:2017- 3111B, 3030F	
		Copper	APHA AWWA 23 rd Ed:2017- 3111B, 3030F	
		Iron	APHA AWWA 23 rd Ed:2017- 3111B, 3030F	
		Chromium	APHA AWWA 23 rd Ed:2017- 3111B, 3030F	
Environment Monitoring	Ambient Air	Determination of Carbon dioxide - CO ₂	SOP CH -16 Issue 01/20-04-2017, Rev 04/22-03-2020	S
		Determination of Carbon monoxide - CO	SOP CH -16 Issue 01/20-04-2017, Rev 04/22-03-2020	
		Determination of Ozone - O ₃	SOP CH -16 Issue 01/20-04-2017, Rev 04/22-03-2020	
		Determination of PM 10, PM 2.5	SOP CH -16 Issue 01/20-04-2017, Rev 04/22-03-2020	
		Determination of PM 2.5, PM 10 and Total Suspended Particulate	SOP CH -24 Issue 01/04-04-2018, Rev 02/22-03-2020	

Accreditation Scope

Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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)
Environment Monitoring	Ambient Air	Determination of Relative Humidity	SOP CH –16 Issue 01/20-04-2017, Rev 04/22-03-2020	S
		Determination of Sulfur dioxide - SO ₂	SOP CH –16 Issue 01/20-04-2017, Rev 04/22-03-2020	
		Determination of Temperature	SOP CH –16 Issue 01/20-04-2017, Rev 04/22-03-2020	
		Determination of VOC	SOP CH –16 Issue 01/20-04-2017, Rev 04/22-03-2020	
		Total Suspended Particulate Matter	SOP CH –16 Issue 01/20-04-2017, Rev 04/22-03-2020	
	Indoor Air Quality	Illuminance Monitoring	SOP CH 22 Issue no: 01:18/12/2016 Rev no: 03:22/03/2020	S
		Determination of Carbon dioxide - CO ₂	SOP CH - 04 Issue no: 01:18/12/2016 Rev no: 03:22/03/2020 based on BS EN 60079-29-2:2015	
		Determination of Carbon Monoxide - CO	SOP CH - 04 Issue no: 01:18/12/2016 Rev no: 03:22/03/2020 based on BS EN 60079-29-2:2015	

Accreditation Scope

Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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)
Environment Monitoring	Indoor Air Quality	Determination of Formaldehyde - HCHO	SOP CH - 04 Issue no: 01:18/12/2016 Rev no: 03:22/03/2020 based on BS EN 60079-29-2:2015	S
		Determination of Nitrogen dioxide - NO ₂	SOP CH - 04 Issue no: 01:18/12/2016 Rev no: 03:22/03/2020 based on BS EN 60079-29-2:2015	
		Determination of Ozone - O ₃	SOP CH - 04 Issue no: 01:18/12/2016 Rev no: 03:22/03/2020 based on BS EN 60079-29-2:2015	
		Determination of PM 10, PM 7, PM 2.5 and PM 1	SOP CH - 05 Issue no: 01:18/12/2016 Rev no: 03:22/03/2020	
		Determination of Relative Humidity	SOP CH - 04 Issue no: 01:18/12/2016 Rev no: 03:22/03/2020 based on BS EN 60079-29-2:2015	
		Determination of Sulfur dioxide	SOP CH - 04 Issue no: 01:18/12/2016 Rev no: 03:22/03/2020 based on BS EN 60079-29-2:2015	
		Determination of Temperature	SOP CH - 04 Issue no: 01:18/12/2016 Rev no: 03:22/03/2020 based on BS EN 60079-29-2:2015	

Accreditation Scope

Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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)
Environment Monitoring	Indoor Air Quality	Determination of TVOC	SOP CH - 04 Issue no: 01:18/12/2016 Rev no: 03:22/03/2020 based on BS EN 60079-29-2:2015	S
		Total Suspended Particulate	SOP CH - 05 Issue no: 01:18/12/2016 Rev no: 03:22/03/2020	
	Noise	Noise Monitoring - LAEq, LA Max, LA Min	ISO 1996 - 1 and 2:2017	S
	Stack Emission	Determination of Carbon dioxide - CO ₂	SOP CH - 27 Issue no: 01: 28/05/2018 Rev no: 01: 31/07/ 2019 based on Testo 350	S
		Determination of Carbon Monoxide - CO	USEPA CTM 034	
		Determination of Flue Gas Temperature	USEPA CTM 034	
		Determination of Hydrocarbon - VOC	USEPA CTM 034	
		Determination of Nitrogen dioxide - NO ₂	USEPA CTM 034	
		Determination of Nitrogen Monoxide - NO	USEPA CTM 034	
	Determination of Oxides of Nitrogen - NO _x	USEPA CTM 034		

Accreditation Scope

Geoscience Testing Laboratory, NAL 018
Testing Laboratory, (ISO/IEC 17025:2017)

ICAD 3, South of Musaffah Industrial Area, Abu Dhabi, UAE

Issue Date: 02-05-2020

Expiry Date: 01-05-2023

Issue No: 07

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)
Environment Monitoring	Stack Emission	Determination of Oxygen - O ₂	USEPA CTM 034	S
		Determination of stack gas velocity and volumetric flow rate	SOP CH - 01 based on USEPA Method 2	
		Determination of Sulfur dioxide - SO ₂	USEPA Method 6C, 2017	
		Determination of TSP emission from stationary source	SOP CH - 01 based on USEPA Method 5	
END				