

10.6 Scope of Accreditation

Issue No: 04/ Issue Date: 11th July 2018
Accreditation Manager: Hamza Khan



ACCREDITED
TESTING
ISO/IEC 17025:2005
No. ATL 0033

Testing Laboratory Accreditation No. ATL 0033

is accredited by the GCC Accreditation Center (GAC) in accordance with the recognized International Standard ISO/IEC 17025:2005, "General requirements for the competence of testing and calibration laboratories"

RAK LABS LLC - Laboratory	
Issue No: 04	Issue Date: 11 th July 2018
Address. Post Box 86, Khor Khwair. Ras Al Khaimah , United Arab Emirates	Contact: Mr. Joseph Rego Tel: + 971 7 2668341 Fax: + 971 7 2668292 Email: info@raklab.com Web Address: www.raklab.com

Locations where testing activities covered by the above Accreditation Standard are undertaken

1- address: Post Box 86, Khor Khwair. Ras Al Khaimah , United Arab Emirates

For the following scope:

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Scope:

2. Construction Material Testing:

- 2.11 Cement and Cementitious Materials
- 2.12 Concrete
- 2.15 Rocks
- 2.16 Aggregates
- 2.18 Soils
- 2.22 Masonry units and segmental pavers

7. Chemical Testing

- 7.17 Lubricants
- 7.66 Waters
- 7.81 Constituents of the environment

13. Mechanical Testing:

- 13.01.11 Tension tests on test pieces
- 13.01.58 Bend Tests
- 13.01.71 Tests on Wires (uncoated-Steel Strand Wire)

Scope details are as follows:

Version: 3.3

Date: 15th March 2018

Approved by: Atta Subhan

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TEST CATEGORY	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS / PARAMETERS OR PROPERTIES, COMPONENTS, CHARACTERISTICS TESTED	SPECIFICATION, STANDARD TEST METHOD OR TECHNIQUE USED
Chemical Testing	Ground water	Sulphate content of ground water	BS 1377: Part 3 Clause 5.5.3:1990
	Water/Waste Water	Determination of Sulphate (SO ₄)	APHA-4500-SO ₄ ²⁻ C, 23 rd edition, 2017
	Water/Waste Water	Determination of Chloride	APHA-4500-Cl ⁻ B, 23 rd edition, 2017
	Water/Waste Water	Determination of Calcium	APHA-4500-Ca-B, 23 rd edition, 2017
	Water/Waste Water	Determination of Magnesium	APHA-3500-Mg-B, 23 rd edition, 2017
	Water/Waste Water	Determination of Total Hardness	APHA-2340-C, 23 rd edition, 2017
	Water/Waste Water	Total Hardness (as CaCO ₃) (By Calculation)	APHA-2340-B, 23 rd edition, 2017
	Water/Waste Water	Determination of Alkalinity	APHA-2320-B, 23 rd edition, 2017
	Water/Waste Water	pH @ 25°C	APHA -4500-H ⁺ -B- B, 23 rd edition, 2017
	Water/Waste Water	Total Suspended Solids @ 103 °C -105°C	APHA-2540-D, 23 rd edition, 2017
	Water/Waste Water	Total Dissolved Solids @ 180°C	APHA-2540-C, 23 rd edition, 2017
	Water/Waste Water	Oil & Grease	APHA-5520-B, 23 rd edition, 2017
	Water/Waste Water	Chemical Oxygen Demand (COD)	APHA-5220-B, 23 rd edition, 2017
	Water/Waste Water	Bio Chemical Oxygen Demand (BOD) 5 days @ 20°C	APHA-5210-B, 23 rd edition, 2017
Water/Waste Water	Copper (Cu), Manganese (Mn), Lead (Pb), Nickel (Ni), Iron (Fe), Zinc (Zn), Silver (Ag), Chromium (Cr), Cobalt (Co), Cadmium (Cd), Sodium (Na), Potassium (K), Calcium (Ca), Magnesium(Mg)	APHA-3120-B, 23 rd edition, 2017	

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Chemical Testing	Water/Waste Water	Conductivity @ 25°C	APHA-2510-B, 23 rd edition, 2017
	Used Lubricating Oil	Aluminum (Al), Calcium (Ca), Chromium (Cr) Copper (Cu), Iron (Fe), Lead (Pb), Manganese(Mn), Sodium (Na), Silicon (Si), Tin (Sn)	ASTM D5185-18
	Used Lubricating Oil	Base Number of Petroleum Products by Potentiometric Perchloric Acid Titration	ASTM D 2896-15 (Procedure B)
	Chemical Petroleum Products	Sulfur Content	ASTM D 4294-16 ^{E1}
Construction Material Testing	Soil	Determination of California Bearing Ratio (CBR)	BS 1377: 1990 Part 4 Test 7.2.3.2 Amd 8259-1995 & 13925-02
	Soil	Determination of dry density-moisture content relationship using 4.5kg. rammer for coarse and medium gravel size particles	BS 1377: 1990 Part 4 Test 3.5 & 3.6 Amd 8259-1995 & 13925 : 02
	Soil	Determination of In-situ density by sand replacement (small pouring cylinder)	BS 1377: 1990 Part 9 Clause 2.1 Amd 8264-1995
	Soil	Determination of In-situ density by sand replacement (large)	BS 1377: 1990 Part 9 Clause 2.2 Amd 8264-1995
	Soil	Determination of Particle Size Distribution	BS 1377: 1990 Part 2 Clause 9.2 & 9.3 Amd 9027-1996

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Construction Material Testing	Soil	Determination of liquid limit (by cone penetrometer)	BS 1377: 1990 Part 2 Clause 4.3 Amd 9027-1996
Construction Material Testing	Soil	Determination plastic Limit & plasticity index	BS 1377: 1990 Part 2 Clause 5.3 & 5.4 Amd 9027-1996
Construction Material Testing	Soil	Determination of Sand equivalent value	ASTM D 2419-2014
Construction Material Testing	Soil Chemical Tests	Acid soluble chloride & sulphate content in soil	BS 1377: Part 3:1990, Clause 7.3.3.3&5.5.3
Construction Material Testing	Soil Chemical Tests	pH of Ground Water / Soil	BS 1377: Part 3:1990 - Clause 9.5
Construction Material Testing	Concrete	Determination of compressive Strength of concrete cubes	BS 1881: 1983 Part 116 amd 6097-1989 & 6720-1991
Construction Material Testing	Concrete	Electrical Indication of concrete's Ability to resist Chloride ion Penetration	ASTM C 1202-18
Construction Material Testing	Concrete	Determination of depth of penetration of water under pressure	BS EN 12390-8: 2009
Construction Material Testing	Concrete	Determination of Water Permeability	DIN 1048: 1991 Part 5
Construction Material Testing	Concrete	Determination of Water Absorption on hardened concrete	BS 1881: 2011 Part 122
Construction	Concrete	Determination of the initial surface absorption of concrete	BS 1881: 1996 Part 208

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Material Testing			
Construction Material Testing	Concrete	Measurement of dimensions of Pre-Cast Concrete Masonry Units	BS 6073: 1981 Part 1 Appendix A amd 3944: 1982, 4462:1984, 14523:2003
Construction Material Testing	Concrete	Compressive strength of Pre-Cast Concrete Masonry Units	BS 6073: 1981 Part 2 Appendix B Amd 4508: 1984
Construction Material Testing	Concrete	Dimensions of Pre-cast Concrete Paving blocks	BS 6717:1993 Part 1 Annex A
Construction Material Testing	Concrete	Compressive strength of Pre-cast Concrete Paving blocks	BS 6717:1993 Part 1 Annex B
Construction Material Testing	Concrete Chemical Tests	Total acid soluble chloride & sulphate content in hardened concrete	BS 1881: 124-2015
Construction Material Testing	Concrete Chemical Tests	Organic impurities in fine aggregates for concrete	ASTM C 40-16a
Construction Material Testing	Cement	Compressive Strength of Hydraulic Cement	BS EN 196-1: 2016
Construction Material Testing	Cement	Setting Time (Initial & Final)	BS EN 196-3: 2016
Construction Material Testing	Cement	Fineness of Cement	BS EN 196-6:2010
Construction Material Testing	Cement	La Chatelier Soundness	BS EN 196-3: 2016
Construction	Cement	Flexural strength of Hydraulic Cement	BS EN 196-1: 2016

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Material Testing			
Construction Material Testing	Cement	Consistency of Cement	BS EN 196-3: 2016
Construction Material Testing	Cement	Compressive Strength of Hydraulic Cement	ASTM C 109/C109M: 2016a
Construction Material Testing	Cement	Setting Time (Initial & Final)	ASTM C 191-18a
Construction Material Testing	Cement	Fineness of Cement	ASTM C 204-18
Construction Material Testing	Cement	Consistency of Cement	ASTM C187-16
Construction Material Testing	Cement	Air Content of Cement Mortar	ASTM C 185:2015a
Construction Material Testing	Cement Chemical Tests	Determination of loss on Ignition	BS EN 196-2: 2013 Clause 4.4.1
Construction Material Testing	Cement Chemical Tests	Determination of Sulfate	BS EN 196-2: 2013 Clause 4.4.2
Construction Material Testing	Cement Chemical Tests	Determination of insoluble residue (HCl /Na ₂ CO ₃)	BS EN 196-2: 2013 Clause 4.4.3.1
Construction Material Testing	Cement Chemical Tests	Determination of silica	BS EN 196-2: 2013 Clauses 4.5.2 – 4.5.9

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Construction Material Testing	Cement Chemical Tests	Determination of Iron oxide	BS EN 196-2: 2013 Clause 4.5.10
Construction Material Testing	Cement Chemical Tests	Determination of Aluminium oxide	BS EN 196-2: 2013 Clause 4.5.11
Construction Material Testing	Cement Chemical Tests	Determination of Calcium oxide	BS EN 196-2: 2013 Cl. 4.5.14/4.5.12
Construction Material Testing	Cement Chemical Tests	Determination of Magnesium oxide	BS EN 196-2: 2013 Clause 4.5.13/4.5.15
Construction Material Testing	Cement Chemical Tests	Determination of Chloride	BS EN 196-2: 2013 Clause 4.5.16
Construction Material Testing	Cement Chemical Tests	Determination of Alkali (Na ₂ O, K ₂ O)	IHTP 126
Construction Material Testing	Aggregates	Determination of Aggregate Crushing Value	BS 812:1990 Part 110
Construction Material Testing	Aggregates	Determination of Aggregate Impact Value	BS 812:1990 Part 112 Amd 8772-1995
Construction Material Testing	Aggregates	Determination of elongation index of coarse aggregates	BS 812:1990 Part 105 Section 105.2
Construction Material Testing	Aggregates	Determination of flakiness index of coarse aggregates	BS 812:1989 Part 105 Section 105.1
Construction Material Testing	Aggregates	Determination of Particle Size distribution (wet and Dry sieving)	BS 812: 1985 Part 103 Section 103.1 test 7.2 & 7.3 amd 6003-1989
Construction	Aggregates	Determination of Ten Percent fine value of aggregates (dry)	BS 812:1990 Part 111 Test 7.1 & 7.2

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Material Testing		and soaked)	
Construction Material Testing	Aggregates	Resistance to degradation of small size aggregate by abrasion and impact in the Los Angeles Machine	ASTM C 131/C131 M: 2014
Construction Material Testing	Aggregates	Resistance to degradation of large size aggregate by abrasion and impact in the Los Angeles Machine	ASTM C 535-16
Construction Material Testing	Aggregates	Sieve analysis of fine and coarse aggregates	ASTM C 136/C136 M:2014
Construction Material Testing	Aggregates	Soundness of aggregates by the use of sodium sulfate or magnesium sulfate	ASTM C 88-18
Construction Material Testing	Aggregates	Density, Relative density (Specific gravity) and absorption of fine aggregates	ASTM C 128:2015
Construction Material Testing	Aggregates	Density, Relative density (Specific gravity) and absorption of Coarse aggregates	ASTM C 127:2015
Construction Material Testing	Aggregates	Determination of Particle size distribution	BS EN 933-1: 2012
Construction Material Testing	Aggregates	Determination of Clay Lumps and Friable Particles	ASTM C 142/C142M-17
Construction Material Testing	Aggregates	Determination of Shell content in coarse aggregates	BS 812 Part 106: 1985
Construction Material Testing	Aggregates	Material finer than 75 microns in mineral aggregates by washing	ASTM C 117-17
Construction Material Testing	Aggregates	Determination of particle density and water absorption	(BS EN 1097-6: 2013; Cl 7,8,9)

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Construction Material Testing	Aggregates	Determination of shell content-Percentage of shells in coarse aggregates	BS EN 933-7: 1998
Construction Material Testing	Aggregates	Determination of Particle Shape-Flakiness index	BS EN 933-3: 2012
Construction Material Testing	Aggregates	Determination of Particle shape-Shape index	BS EN 933-4: 2008
Construction Material Testing	Aggregates	Determination of resistance to fragmentation by the Los Angeles test method	BS EN 1097-2: 2010
Construction Material Testing	Aggregates	Determination of drying shrinkage	BS EN 1367-4: 2008
Construction Material Testing	Aggregates	Determination of particles densities and water absorption of coarse and fine aggregates	BS 812: Part2 Cl:5.3, 5.4 & 5.5 – 1995
Construction Material Testing	Aggregates	Flat Particles, elongated particles or flat and elongated particles in coarse aggregate	ASTM D 4791: 2010
Construction Material Testing	Aggregates	Crushed and broken Surfaces in coarse aggregate	BS EN 933-5:1998
Construction Material Testing	Aggregates	Determination of the resistance to wear (Micro-Deval)	BS EN 1097 Part 1 :2011
Construction Material Testing	Rock & Aggregates	Heavy Grading	CIRIA C 683,2nd Edition -2007 / BS EN 13383-2:2002
Construction Material Testing	Rock & Aggregates	Light Grading	CIRIA C 683,2nd Edition -2007 / BS EN 13383-2:2002

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Construction Material Testing	Rock & Aggregates	Determination of particle density & water absorption	CIRIA C 683,2nd Edition -2007 / BS EN 13383-2:2002
Construction Material Testing	Rock & Aggregates	Block Integrity (Drop test) for heavy and light grading	CIRIA C 683,2nd Edition -2007 / BS EN 13383-1:2002 Annex B.2
Construction Material Testing	Rock & Aggregates	Determination of percentage of pieces of armour stone with length to thickness ratio greater than 3	CIRIA C 683,2nd Edition -2007 / BS EN 13383-2:2002
Construction Material Testing	Rock & Aggregates	Determination of Uniaxial Compressive strength	BS EN 1926: 2006
Construction Material Testing	Rock & Aggregates	Test for thermal and weathering properties of aggregate (Magnesium Sulfate Soundness test)	BS EN 1367-2: 2009
Construction Material Testing	Rock & Aggregates	Point Load Strength Index	ISRM 1985
Construction Material Testing	Rock & Aggregates	Potential Alkali Reactivity of Cement-Aggregate combination (Mortar-Bar Method)	ASTM C 227-10
Construction Material Testing	Aggregate Chemical Tests	Acid soluble chloride & sulphate content in aggregates	BS 812: 1988 Part 117 Appendix C, BS 812: 1988 Part 118: Cl 6.4
Construction Material Testing	Aggregate Chemical Tests	Assessment of fines-Methylene blue test	BS EN 933-9: 2009+A1:2013
Construction Material Testing	Aggregate Chemical Tests	Determination of water-soluble chloride	BS EN 1744-1: 2009+A1:2012 clause 7
Construction Material Testing	Aggregate Chemical Tests	Determination of Acid-soluble Sulphates	BS EN 1744-1: 2009+A1:2012 clause 12
Construction	Aggregate Chemical Tests	Light weight particles in aggregate	ASTM C 123/C 123M-14

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Construction Material Testing	Aggregate Chemical Tests	Potential Alkali-Silica reactivity of Aggregate	ASTM C 289-07
Construction Material Testing	Aggregate Chemical Tests	Determination of light weight contaminators	BS EN 1744-1:2009+A1: 2012, Clause 14.2
Construction Mechanical Testing	Aggregate Chemical Tests	Determination of organic components affecting the setting and the hardening of Cement	BS EN 1744-1:2009+A1: 2012 clause 15.1
Mechanical Testing	Steel	Re-bend test of Steel bar	BS 4449: 2005+A3: 2016
Mechanical Testing	Steel	Tensile properties of steel bar (yield strength, Tensile strength, Elongation after fracture, Elongation at maximum force)	BS EN ISO 15630-1:2002 & ISO 6892-1:2009 / BS 4449: 2005+A3: 2016
Mechanical Testing	Steel	Mechanical prop of steel strand ,uncoated 7-wire Pre stressed concrete	ASTM A 1061/A1061M 2016/ASTM A 416/A416M-17a
Chemical Testing	Environmental monitoring- Indoor Air Quality	Total Suspended Particulate Matter (TSPM)	BS EN 481: 1993, BS EN 6069-3.5: 1993
Chemical Testing	Environmental monitoring- Indoor Air Quality	Respirable Suspended Particulate Matter PM 10, 2.5 & 1 (RSPM)	BS EN 12341 : 1999, BS EN 481:1993, BS EN 6069-3.5:1993
Chemical Testing	Environmental monitoring- Indoor Air Quality	Nitrogen Dioxide (NO ₂)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Indoor Air Quality	Sulphur Dioxide (SO ₂)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS

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			EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Indoor Air Quality	Volatile Organic Compound (VOC)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Indoor Air Quality	Methane (CH ₄)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Indoor Air Quality	Ammonia(NH ₃)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Indoor Air Quality	Carbon monoxide (CO)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Indoor Air Quality	Carbon Dioxide (CO ₂)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Indoor Air Quality	Hydrogen Sulphide (H ₂ S)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Indoor Air Quality	Oxygen (O ₂)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015

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Chemical Testing	Environmental monitoring- Indoor Air Quality	Ozone(O ₃)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Indoor Air Quality	Temperature	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Indoor Air Quality	Relative Humidity	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Indoor Air Quality	Formaldehyde (HCHO)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Outdoor Air Quality	Total Suspended Particulate Matter (TSPM)	USEPA-eCFR: Title 40: Part 50 & 53
Chemical Testing	Environmental monitoring- Outdoor Air Quality	Respirable Suspended Particulate Matter (RSPM -PM 10)	USEPA-eCFR: Title 40: Part 50 & 53
Chemical Testing	Environmental monitoring- Outdoor Air Quality	Sulphur Dioxide (SO ₂)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Outdoor Air Quality	Nitrogen Dioxide (NO ₂)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015

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Chemical Testing	Environmental monitoring- Outdoor Air Quality	Volatile Organic Compound (VOC)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Outdoor Air Quality	Ozone (O ₃)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Outdoor Air Quality	Ammonia (NH ₃)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Outdoor Air Quality	Carbon monoxide (CO)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Outdoor Air Quality	Hydrogen Sulphide (H ₂ S)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Outdoor Air Quality	Carbon Dioxide (CO ₂)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Outdoor Air Quality	Methane (CH ₄)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Outdoor Air Quality	Oxygen(O ₂)	BS EN 45544-1: 2015, BS EN 50271: 2018,

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			BS EN 60079-29-2: 2015
Chemical Testing	Environmental monitoring- Outdoor Air Quality	Formaldehyde (HCHO)	BS EN 45544-1: 2015, BS EN 50271: 2018, BS EN 60079-29-2: 2015
Chemical Testing	Noise	Occupational Noise levels	ISO 1996-2: 2017
Chemical Testing	Noise	Personal Noise exposure	ISO 9612: 2009
Chemical Testing	Personal dust monitoring/ exposure	Personal dust exposure - Respirable Suspended Particulate Matter (RSPM)	MDHS 14/3:2000
Chemical Testing	Environmental monitoring- Flue gas	Carbon Monoxide (CO)	USEPA CTM 030 Oct 1997 & USEPA CTM 034 Sep 1999
Chemical Testing	Environmental monitoring- Flue gas Flue gas	Temperature	USEPA CTM 030 Oct 1997 & USEPA CTM 034 Sep 1999
Chemical Testing	Environmental monitoring- Flue gas	Hydrogen Sulphide(H ₂ S)	USEPA CTM 030 Oct 1997 & USEPA CTM 034 Sep 1999
Chemical Testing	Environmental monitoring- Flue gas	Hydro carbons (C _x H _y)	USEPA CTM 030 Oct 1997 & USEPA CTM 034 Sep 1999
Chemical Testing	Environmental monitoring- Flue gas	Oxides of Nitrogen (NO _x)	USEPA CTM 030 Oct 1997 & USEPA CTM 034 Sep 1999
Chemical Testing	Environmental monitoring- Flue gas Flue gas	Oxygen (O ₂)	USEPA CTM 030 Oct 1997 & USEPA CTM 034 Sep 1999

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Chemical Testing	Environmental monitoring- Flue gas	Carbon Dioxide (CO ₂)	USEPA CTM 030 Oct 1997 & USEPA CTM 034 Sep 1999
Chemical Testing	Environmental monitoring- Flue gas	Sulphur Dioxide (SO ₂)	USEPA CTM 030 Oct 1997 & USEPA CTM 034 Sep 1999
Chemical Testing	Environmental monitoring- Stack emissions	Total Suspended Particles (TSP)	USEPA EMC Method 17:sep 2017
Chemical Testing	Environmental monitoring- Stack emissions	Carbon Dioxide (CO ₂)	USEPA CTM 030 Oct 1997 & USEPA CTM 034 Sep 1999
Chemical Testing	Environmental monitoring- Stack emissions	Carbon Monoxide (CO)	USEPA CTM 030 Oct 1997 & USEPA CTM 034 Sep 1999
Chemical Testing	Environmental monitoring- Stack emissions	Oxides of Nitrogen (NO _x)	USEPA CTM 030 Oct 1997 & USEPA CTM 034 Sep 1999
Chemical Testing	Environmental monitoring- Stack emissions	Oxygen (O ₂)	USEPA CTM 030 Oct 1997 & USEPA CTM 034 Sep 1999
Chemical Testing	Environmental monitoring- Stack emissions	Sulphur Dioxide (SO ₂)	USEPA CTM 030 Oct 1997 & USEPA CTM 034 Sep 1999
Chemical Testing	Environmental monitoring- Stack emissions	Hydrogen Sulphide(H ₂ S)	USEPA CTM 030 Oct 1997 & USEPA CTM 034 Sep 1999
Chemical Testing	Environmental monitoring- Stack emissions	Hydro carbons (C _x H _y)	USEPA CTM 030 Oct 1997 & USEPA CTM 034 Sep 1999
Chemical Testing	Environmental monitoring- Stack emissions	Temperature	USEPA CTM 030 Oct 1997 & USEPA CTM 034 Sep 1999

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Chemical Testing	Environmental monitoring- Stack emissions	Moisture	US EPA EMC Method 4: Aug 2017
Chemical Testing	Illuminance	Illuminance- Lux	BS EN 12464-1-2011

Note: the text in blue indicates the new scope OR update in the Edition of a test method in this issue of the scope of accreditation.

END

This laboratory is recorded as issuing GAC accredited reports to organizations in the countries listed below. This list is current at the time of issue of this schedule.

United Arab Emirates	Bahrain	Saudi Arabia	Oman	Qatar	Kuwait	Yemen