



INTERNATIONAL
ACCREDITATION
SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest that

ARAB COMPANY FOR LABORATORIES AND SOIL - TABUK - ENVIRONMENTAL SECTOR

MOHEMMAD BIN ALKHATEEB
TABUK, 21382, SAUDI ARABIA

Testing Laboratory TL-1256

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.

Effective Date November 17, 2024



International Accreditation Service
Issued under the authority of IAS management

Visit www.iasonline.org for current accreditation information.

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

ARAB COMPANY FOR LABORATORIES AND SOIL - TABUK - ENVIRONMENTAL SECTOR

Contact Name Tariq Diab

Contact Phone +966 593179586

Accredited to ISO/IEC 17025:2017

Effective Date November 17, 2024

Chemical (Microbiological Analysis)	
APHA 9215 C	Total Bacteria Count
APHA 9222B	Total Coliform
APHA 9222 D	Fecal Coliform
APHA 9222 H	E. Coli
APHA 9230 C	Fecal Streptococci
APHA 9230 C	Enterococci
ISO 11731.2:2004	Legionella
ISO 16266:2006	Pseudomonas aeruginosa
Chemical (Admixtures)	
ASTM C494	Standard specification for chemical admixtures for concrete, Cl. 18.0 – Determination of dry material content
Chemical (Aggregate)	
ASTM D3042	Standard test method for insoluble residue in carbonate aggregates
BS 1744-1:2009 + A1:2012	Tests for chemical properties of aggregates. Chemical analysis, Cl. 4.2, 4.3, 4.4, 5.3, 5.5, 7.0, 9.0 & A.2 – Method for determination of water-soluble chloride salts (water extracted)
BS 1744-1:2009 + A1:2012	Tests for chemical properties of aggregates. Chemical analysis, Cl. 4.5, 5.6, 10 & A.4 – Methods for determination of sulfate content (water extracted)
BS 1744-1:2009 + A1:2012	Tests for chemical properties of aggregates. Chemical analysis, Cl. 4.7, 12 & A.6 – Determination of acid-soluble sulfate content
BS 1744-1:2009 + A1:2012	Tests for chemical properties of aggregates. Chemical analysis, Cl. 17.0 – Determination of loss on ignition
BS 1744-5:2006	Tests for chemical properties of aggregates – Determination of acid soluble chloride salts
Chemical (Concrete)	
BS 1881-124:2015	Testing concrete. Methods for analysis of hardened concrete, Cl. 12.1 – Determination of chloride content
BS 1881-124:2015	Testing concrete. Methods for analysis of hardened concrete, Cl. 12.2 – Determination of sulfate content

TL-1256

**ARAB COMPANY FOR LABORATORIES AND SOIL - TABUK -
ENVIRONMENTAL SECTOR**

Effective Date November 17, 2024

Page 2 of 11

IAS/TL/100-1



INTERNATIONAL
ACCREDITATION
SERVICE®

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

Chemical (Soil)	
BS 1377-3:1990 (96)	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro- chemical tests, Cl. 4 – Loss on ignition
BS 1377-3:1990 (96)	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro- chemical tests, Cl. 5.2 and 5.5 – Acid soluble sulphate
BS 1377-3:1990 (96)	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro- chemical tests, Cl. 5.3 and 5.5 – Water soluble sulphate
BS 1377-3:1990	Methods of test for Soils for civil engineering Purposes, Part 3: Chemical and electro- chemical Tests, Cl. 6.0 - Carbonate content
BS 1377-3:1990 (96)	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro- chemical tests, Cl. 7.2 – Water soluble chloride
BS 1377-3:1990 (96)	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro- chemical tests, Cl. 7.3 – Acid soluble chloride
BS 1377-3:1990 (96)	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro- chemical tests, Cl. 8.0 – Total Dissolved Solids
BS 1377-3:1990 (96)	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro- chemical tests, Cl. 9.0 – pH
Environmental (Air)	
US EPA 40 CFR 58	Ambient Air Quality Surveillance Siting Criteria for Open Path Analyzers <ol style="list-style-type: none"> 1. Nitrogen dioxide NO₂ 2. sulfur dioxide SO₂ 3. Volatile organic compounds VOC 4. Carbon monoxide CO 5. Carbon dioxide CO₂ 6. Hydrogen sulfide 7. Particulate matter PM₁, PM_{2.5}, PM₁₀
US EPA/600/R-14/159	Air Sensor Guidebook <ol style="list-style-type: none"> 1. Nitrogen dioxide NO₂ 2. sulfur dioxide SO₂ 3. Volatile organic compounds VOC 4. Carbon monoxide CO 5. Carbon dioxide CO₂ 6. Hydrogen sulfide 7. Particulate matter PM₁, PM_{2.5}, PM₁₀
Environmental (Noise)	
ISO 1996-2	Acoustics Description, measurement and assessment of environmental noise – Part 2: Determination of sound pressure levels
Environmental (Water/Soil)	
APHA 2110	Appearance
APHA 2120 C	Color (Spectrophotometric Method)
APHA 2120 C	Color, True and Apparent (Platinum-Cobalt Standard Method)



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

APHA 2130 B	Turbidity (Nephelometric Method)
APHA 2150 B	Standard methods for the examination of water and wastewater, 22nd edition, Determination of odor
APHA 2160 B	Standard methods for the examination of water and wastewater, 22nd edition, Determination of taste
APHA 2320	Standard methods for the examination of water and wastewater, 22nd edition, Determination of T-alkalinity, P-alkalinity; carbonate, bicarbonate & hydroxide
APHA 2320 B	Total Alkalinity (Titration Method)
APHA 2320 B	M-Alkalinity (Titration Method)
APHA 2320 B	P-Alkalinity (Titration Method)
APHA 2320 B	Bicarbonate HCO ₃ (Titration Method)
APHA 2320 B	Carbonate CO ₃ ²⁻ (Titration Method)
APHA 2320 B	Hydroxide OH (Titration Method)
APHA 2340 A	Carbonate Hardness
APHA 2340 A	Non-carbonate Hardness
APHA 2340 B	Total Hardness (Hardness by Calculation)
APHA 2340 C	Standard methods for the examination of water and wastewater, 22nd edition, Determination of hardness
APHA 2510	Conductivity (Laboratory Method)
APHA 2510 B	Standard methods for the examination of water and wastewater, 22nd edition, Determination of conductivity
APHA 2520 B	Salinity (Electrical Conductivity Method)
APHA 2520 B	Standard methods for the examination of water and wastewater, 22nd edition, Determination of salinity
APHA 2540 B	Standard methods for the examination of water and wastewater, 22nd edition, Determination of total solids dried at 103-105°C
APHA 2540 C	Standard methods for the examination of water and wastewater, 22nd edition, Determination of TDS
APHA 2540 C	Total Dissolved Solids Dried at 180°C
APHA 2540 D	Standard methods for the examination of water and wastewater, 22nd edition, Determination of total solids suspended solids dried at 103-105°C
APHA 2550	Temperature (Laboratory and Field Methods)
APHA 3500 B	Hexavalent Chromium
APHA 3500-Ca B	Standard methods for the examination of water and wastewater, 22nd edition, Determination of calcium
APHA 3500-Ca B	Calcium Hardness (EDTA Titrimetric Method)
APHA 3500-Mg B	Standard methods for the examination of water and wastewater, 22nd edition, Determination of magnesium
APHA 3500-Mg B	Magnesium Hardness (Calculation Method)
APHA 4500 B	Nitrite NO ₂ ⁻ (US EPA Diazotization Method)

TL-1256

ARAB COMPANY FOR LABORATORIES AND SOIL - TABUK - ENVIRONMENTAL SECTOR

Effective Date November 17, 2024

Page 4 of 11

IAS/TL/100-1



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

APHA 4500 C	Ammonia (Salicylate Method)
APHA 4500-CI G & HACH 8021	Free Chlorine (DPD Colorimetric Method)
APHA 4500-CI G & HACH 8167	Total Chlorine (DPD Colorimetric Method)
APHA 4500-CL G	Standard methods for the examination of water and wastewater, 22nd edition, Determination of total residual chlorine
APHA 4500-CL G	Standard methods for the examination of water and wastewater, 22nd edition, Determination of free residual chlorine
APHA 4500 CN - B&E	Cyanide, Colorimetric Method
APHA 4500 CO2 C.	Titrimetric Method for Free Carbon Dioxide
APHA 4500-CO2 D	Carbon Dioxide and Forms of Alkalinity by Calculation
APHA 4500 D	Fluoride F- (US EPA SPADNS Method)
APHA 4500 D	Phosphate PO43- , Reactive, Orthophosphate (Ascorbic Acid Method)
APHA 4500 D	Sulfide S2- (US EPA Methylene Blue Method)
APHA 4500 H	Standard methods for the examination of water and wastewater, 22nd edition, Determination of pH
APHA 4500 H+	pH (Electrometric Method)
APHA 4500 Norg	Nitrogen (Organic) Macro-Kjeldahl Method
APHA 4500 NH3 B&C	Nitrogen (Ammonia) Preliminary Distillation and Titrimetric method
APHA 4500 NO2- B	Nitrite NO2- (Colorimetric Method)
APHA 4500 O G	Dissolved oxygen (Membrane Electrode Method)
APHA 4500-S2- F	Sulfide S2- (Iodometric Method)
APHA 5120 B	Biochemical Oxygen demand BOD (5-Day BOD Test)
APHA 5220 D &	Chemical Oxygen Demand COD (Closed Reflux,
APHA 5520 B	Oil & Grease (Partition-Gravimetric Method)
APHA 5520 F	Petroleum Hydrocarbons
APHA 5530 C	Total phenols Chloroform Extraction Method
ASTM D512	Standard test methods for chloride ion in water
ASTM D512	Chloride Cl (Argentometric Method)
ASTM D516	Standard test method for sulfate ion in water
ASTM D516 & HACH 10248	Sulfate SO42- (Turbidimetric Method)
US EPA 3015A	Microwave Assisted Acid Digestion of Aqueous Samples and Extracts
US EPA 3051A	Microwave Assisted Acid Digestion of Sediments, Sludges, and Oils
US EPA 3510 C	Separatory funnel Liquid-Liquid Extraction
US EPA 3550 C	Ultrasonic Extraction
US EPA 5030 C	Purge-and-Trap for Aqueous Samples
US EPA 5053 A	Closed-System Purge-and-Trap and Extraction for Volatile Organics in Soil and Waste Samples
US EPA 6010 D	Determination of Metals and Trace Elements by Inductively Coupled

TL-1256

ARAB COMPANY FOR LABORATORIES AND SOIL - TABUK - ENVIRONMENTAL SECTOR

Effective Date November 17, 2024

Page 5 of 11

IAS/TL/100-1



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

	<p>Plasma-Atomic Emission Spectrometry:</p> <ol style="list-style-type: none"> 1. Calcium (Ca) 2. Magnesium (Mg) 3. Sodium (Na) 4. Potassium (K) 5. Aluminum (Al) 6. Antimony (Sb) 7. Arsenic (As) 8. Barium (Ba) 9. Beryllium (Be) 10. Bismuth (Bi) 11. Boron (B) 12. Cadmium (Cd) 13. Chromium, total, trivalent (Cr) 14. Cobalt (Co) 15. Copper (Cu) 16. Tellurium (Te) 17. Iron (Fe) 18. Lead (Pb) 19. Lithium (Li) 20. Manganese (Mn) 21. Mercury (Hg) 22. Molybdenum (Mo) 23. Nickel (Ni) 24. Phosphorus (P) 25. Selenium (Se) 26. Silicon (Si) 27. Silver (Ag) 28. Strontium (Sr) 29. Sulfur (S) 30. Tin (Sn) 31. Titanium (Ti)
US EPA 8015 D	<p>Nonhalogenated Organics Using GC/FID</p> <ol style="list-style-type: none"> 1. TPH (C5-C10) 2. TPH (C10-C14) 3. TPH (C15-C28) 4. TPH (C29-C36) 5. TPH (C37-C40)
US EPA 8260 D	<p>Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS):</p> <ol style="list-style-type: none"> 1. Tert-butanol

TL-1256

ARAB COMPANY FOR LABORATORIES AND SOIL - TABUK - ENVIRONMENTAL SECTOR

Effective Date November 17, 2024

Page 6 of 11

IAS/TL/100-1



INTERNATIONAL
ACCREDITATION
SERVICE®

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

	2. Methyl-tert-butyl ether MTBE
	3. Allyl chloride (3-chloropropene)
	4. Benzene
	5. Bromobenzene
	6. Bromochloromethane
	7. Bromodichloromethane
	8. Bromoform
	9. n-Butylbenzene
	10. sec-Butylbenzene
	11. tert-Butylbenzene
	12. Carbon disulfide
	13. Carbon tetrachloride
	14. Chlorobenzene
	15. 2-Chloroethanol
	16. Chloroform
	17. Chloroprene (2-chloro-1,3-butadiene)
	18. 2-Chlorotoluene
	19. 4-Chlorotoluene
	20. Dibromochloromethane
	21. 1,2-Dibromo-3-chloropropane (DBCP)
	22. 1,2-Dibromoethane (EDB)
	23. Dibromomethane
	24. 1,2-Dichlorobenzene
	25. 1,3-Dichlorobenzene
	26. 1,4-Dichlorobenzene
	27. cis-1,4-Dichloro-2-butene
	28. trans-1,4-Dichloro-2-butene
	29. 1,1-Dichloroethane
	30. 1,2-Dichloroethane
	31. 1,1-Dichloroethene
	32. cis-1,2-Dichloroethene
	47. 4-Isopropyl toluene (p-cymene)
	48. Methyl acrylate
	49. Methyl methacrylate
	50. Methylene chloride (dichloromethane)
	51. Naphthalene
	52. Nitrobenzene
	53. 2-Nitropropane
US EPA 8260 D (cont'd.)	54. n-Propylbenzene
	55. Styrene



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

	<ol style="list-style-type: none">56. 1,1,1,2-Tetrachloroethane57. 1,1,2,2-Tetrachloroethane58. Tetrachloroethene59. Toluene60. 1,2,3-Trichlorobenzene61. 1,2,4-Trichlorobenzene62. 1,1,1-Trichloroethane63. 1,1,2-Trichloroethane64. Trichloroethene65. 1,2,3-Trichloropropane66. 1,1,2-Trichlorotrifluoroethane (CFC-113)67. 1,2,4-Trimethylbenzene68. 1,3,5-Trimethylbenzene69. m-Xylene70. o-Xylene
US EPA 8270	<p>Semi Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)</p> <ol style="list-style-type: none">1. Aldrin2. α-BHC3. β-BHC4. δ-BHC5. γ-BHC (Lindane)6. cis-Chlordane7. trans-Chlordane8. 4,4'-DDD9. 4,4'-DDE10. 4,4'-DDT11. Dieldrin12. Endosulfan I13. Endosulfan II14. Endosulfan sulfate15. Endrin16. Endrin aldehyde17. Endrin ketone18. Heptachlor19. Heptachlor epoxide (isomer B)20. Methoxychlor21. Acetophenone
US EPA 8270 (cont'd.)	<ol style="list-style-type: none">22. Aramite23. Atrazine24. Benzaldehyde



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

US EPA 8270 (cont'd.)	25. Biphenyl 26. ϵ -Caprolactam 27. Chlorobenzilate 28. 1-Chloronaphthalene 29. Diallate 30. Dibenz(a,j)acridine 31. 2,6-Dichlorophenol 32. 7,12-Dimethylbenz(a)anthracene 33. 1,4-Dioxane 34. Diphenyl ether 35. Ethyl methacrylate 36. Ethyl methanesulfonate 37. Hexachloropropene 38. Isodrin 39. Isosafrole (cis & trans) 40. Kepone 41. 3-Methylcholanthrene 42. Methyl methanesulfonate 43. 1,4-Naphthoquinone 44. 4-Nitroquinoline-N-oxide 45. Pentachlorobenzene 46. Pentachloroethane 47. Pentachloronitrobenzene (quintozene) 48. Phenacetin 49. Propyzamide 50. Safrole 51. 1,2,4,5-Tetrachlorobenzene 52. 1,3,5-Trinitrobenzene 53. Benzidine 54. 3,3'-Dichlorobenzidine 55. 2-Acetylaminofluorene 56. 4-Aminobiphenyl 57. p-Dimethylaminoazobenzene 77. Benz(a)anthracene 78. Benzo(a)pyrene 79. Benzo(b)fluoranthene 80. Benzo(ghi)perylene 81. Benzo(k)fluoranthene 82. Benzyl alcohol 83. Benzyl butyl phthalate
--------------------------	---



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

	84. Bis(2-chloroethoxy)methane
	85. Bis(2-chloroethyl)ether
	86. Bis(2-ethylhexyl)adipate
	87. Bis(2-ethylhexyl)phthalate
	88. 4-Bromophenyl phenyl ether
	90. Carbazole
	91. 4-Chloroaniline
	92. 4-Chloro-3-methylphenol
	93. 2-Chloronaphthalene
	94. 2-Chlorophenol
	95. 4-Chlorophenyl phenyl ether
	96. Chrysene
	97. Dibenz(a,h)anthracene
	98. Dibenzofuran
	99. 1,2-Dichlorobenzene
	100. 1,3-Dichlorobenzene
	101. 1,4-Dichlorobenzene
	102. 2,4-Dichlorophenol
	103. Diethylphthalate
	104. 2,4-Dimethylphenol
	105. Dimethylphthalate
	106. Di-n-butyl phthalate
	107. 1,2-Dinitrobenzene
	108. 1,3-Dinitrobenzene
	109. 1,4-Dinitrobenzene
	110. 4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)
	130. 2-Nitroaniline
	131. 3-Nitroaniline
	132. 4-Nitroaniline
	133. Nitrobenzene
	134. 2-Nitrophenol
	135. 4-Nitrophenol
	136. N-Nitrosodimethylamine
	137. N-Nitroso-di-n-propylamine
	138. 2,2'-Oxybis(1-chloropropane)
	139. Pentachlorophenol
	140. Phenanthrene
	141. Phenol
	142. Pyrene
	143. Pyridine
US EPA 8270 (cont'd.)	



SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

	144. 2,3,4,6-Tetrachlorophenol
	145. 2,3,5,6-Tetrachlorophenol
	146. 1,2,4-Trichlorobenzene
	147. 2,4,5-Trichlorophenol

