

International Accreditation Service

CERTIFICATE OF ACCREDITATION

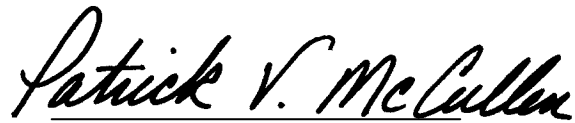
This is to signify that

GULF LABORATORIES CO. W.L.L.

PO BOX 4024
DOHA
QATAR

Testing Laboratory TL-373
(Revised December 13, 2010)

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ANS/ISO/IEC Standard 17025:2005, *General criteria for the competence of testing and calibration laboratories*, and has been accredited, commencing December 9, 2009, for the test methods listed in the approved scope of accreditation.



Patrick V. McCullen
Vice President



C. P. Ramani, P.E.
President



ACCREDITED

(see attached scope of accreditation for fields of testing and accredited test methods)

Print Date: 02/04/2011

This accreditation certificate supersedes any IAS accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation. See the IAS Accreditation Listings on the web at www.iasonline.org for current accreditation information, or contact IAS directly at (562) 699-0541.

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SCOPE OF ACCREDITATION

Gulf Laboratories Co. W.L.L. TL-373
(Revised December 13, 2010)

Gulf Laboratories Co. W.L.L.
PO Box 4024
Doha, Qatar

Andrew Slate
General Manager
+974-460-7034

FIELDS OF TESTING	ACCREDITED TEST METHODS
Cement, Concrete, Masonry and Aggregates	<p>Concrete BS EN Standards: BS EN 12390-3 and BS EN 12390-7 BS Standard: BS 1881, Part 122 ASTM Standard: ASTM C1202</p> <p>Aggregates ASTM Standards: ASTM C 88, C 117, C 127, C 128, C 131 and C 136 BS Standards: BS 812-103.1, Test 7.3, BS 812-105.1, BS 812-105.2, BS 812, Part 2, Tests 5.4 and 5.5</p> <p>Cement BS EN Standards : BS EN 196-1, 196-3 and 196-6</p>
Asphaltic or Bituminous Materials	ASTM Standards: ASTM C 136, ASTM D 2172 and D 2726; BS Standards: BS 598, Part 104, Test 4, BS 812-103.1; BS EN Standards: BS EN 12697-39, 12697-2, 12697-5, 12697-6, 12697-8, 12697-29, 12697-30 and 12697-34

December 9, 2009
Commencement Date



C. P. Ramani
C. P. Ramani, P.E.
President



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FIELDS OF TESTING	ACCREDITED TEST METHODS
Soil	ASTM Standards: ASTM D 1557 and D 4318 British Standards: BS 1377, Part 2, Tests 4.3, 5 and 9.2, BS 1377, Part 4, Tests 3.5 and 3.6, BS 1377, Part 4, Test 7 and CML Test 10-97
Chemistry – Cement, Concrete, Masonry, Limestone and Aggregates	Aggregates British Standards: BS 812, Part 118, Test 6, BS 812, Part 117, Appendix C Concrete British Standards: BS 1881, Part 124, Tests 10.2 and 10.3 Cement BS EN Standards: BS EN 196-2 (Tests 7, 13.5, 13.6, 13.9, 13.10, 13.11, 13.14, 13.15 and 17 only) Limestone ASTM Standards: ASTM C 25 (Tests 9, 10, 19, 24, and 31), ASTM C 25/USEPA 6010C (Aluminum Oxide, Ferric Oxide and Titanium Dioxide only)
Chemistry - Soil	British Standards: BS 1377 Part 3 Tests 5.2, 5.3, 7.2 and 7.3

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Environmental Chemistry – Water and Wastewater	APHA/AWWA 2340-C, 2320 B, 2510 B, 2540 D, and 2540-C, APHA/AWWA 3500-Ca B, APHA/AWWA 4500-OC, 4500 NH ₃ B&C, 4500 NO ₃ D, 4500-NO ₂ B, 4500 Cl ⁻ B, 4500 CN ⁻ E & 4500 CN ⁻ F, 4500-PC & 4500-PD, 4500-SO ₄ ²⁻ C & 4500-SO ₄ ²⁻ E, 4500-H ⁺ B, 4500 F ⁻ D, 4500-NO ₃ ⁻ E, 4500-NH ₃ F, APHA/AWWA 5210 B and 5220 D
Geotechnical	ASTM D 4318, D 1557 ; BS 1377 Part 2 Tests 4.3, 5, 9.2 ; BS 1377 Part 4 Test 3.5, 3.6 and 7, BS 1377 Part 5 Test 3 ; BS 1377 Part 7 test 4 and 8 ; CML Test 10-97; Chemistry BS 1377 Part 3 Tests 3, 5.2, 5.3, 6.3, 7.2, 7.3 and 9.5
Water, Wastewater, Sediment, Soil and Sludge – Metals	USEPA 6010C–(ICP-AES) [Aluminum (Al), Barium (Ba), Beryllium (Be), Boron (B), Cadmium (Cd), Chromium (Cr), Copper (Cu), Cobalt (Co), Calcium (Ca), Iron (Fe), Lead (Pb), Lithium (Li), Magnesium (Mg), Molybdenum (Mo), Nickel (Ni), Zinc (Zn), Antimony (Sb), Arsenic (As), Mercury (Hg), Potassium (K), Selenium (Se), Silicon (Si), Silver (Ag), Sodium (Na), Strontium (Sr), Thallium (Tl), Tin (Sn), Titanium (Ti), Vanadium (V) only]
Water and Wastewater - Organics	USEPA 8260 C GC-MS, USEPA 8260 C GC-MS, USEPA 8015/8270 D GC-FID, USEPA 8015/GC-MS, USEPA 8081 B GC-MS, USEPA 9065, USEPA 8270 D GC-MS and USEPA 8082 A GC-MS
Sediment, Soil and Solid Wastes - Organics	USEPA 8260 C GC-MS, USEPA 8015/8270 D GC-FID, USEPA 8015 GC-MS, USEPA 8270 D GC-MS, and USEPA 8082 A GC-MS
Microbiology	APHA/AWWA 9222 B and 9222 D

Note: CML – State of Qatar, Ministry of Municipal Affairs & Agriculture, Civil Engineering Department; Central Materials Laboratory

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