

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

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*

Patrick V. McCullen  
Vice President

*C. P. Ramani*

C. P. Ramani, P.E.  
President

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

Print Date: 02/23/2010

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

International Accreditation Service

# SCOPE OF ACCREDITATION

Gulf Laboratories Co. W.L.L. TL-373

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	Concrete BS EN Standards: BS EN 12390-3 and BS EN 12390-7 BS Standard: BS 1881, Part 122 ASTM Standard: ASTM C1202  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  Cement BS EN Standards : BS EN 196-1, 196-3 and 196-6

December 9, 2009  
Commencement Date

Print Date: 02/23/2010



C. P. Ramani, P.E.  
President

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Bitumen	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
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)

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FIELDS OF TESTING	ACCREDITED TEST METHODS
Chemistry – Cement, Concrete, Masonry, Limestone and Aggregates (continued)	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
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 <sub>3</sub> B&C, 4500 NO <sub>3</sub> D, 4500-NO <sub>2</sub> B, 4500 Cl <sup>-</sup> B, 4500 CN <sup>-</sup> E & 4500 CN <sup>-</sup> F, 4500-PC & 4500-PD, 4500-SO <sub>4</sub> <sup>2-</sup> C & 4500-SO <sub>4</sub> <sup>2-</sup> E, 4500-H <sup>+</sup> B, 4500 F <sup>-</sup> D, 4500-NO <sub>3</sub> <sup>-</sup> E, 4500-NH <sub>3</sub> F APHA/AWWA 5210 B and 5220 D

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FIELDS OF TESTING	ACCREDITED TEST METHODS
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

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