

International Accreditation Service

CERTIFICATE OF ACCREDITATION

This is to signify that

QAI LABORATORIES INC.

1325 NORTH 108TH EAST AVENUE
TULSA, OKLAHOMA 74116

Testing Laboratory TL-282

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories*, and has been accredited, commencing February 9, 2015, for the test methods listed in the approved scope of accreditation.



Patrick V. McCullen
Vice President, Chief Technical Officer



C. P. Ramani, P.E.
President



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

Print Date: 2/23/2015

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) 364-8201.

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International Accreditation Service

SCOPE OF ACCREDITATION

QAI Laboratories Inc. TL-282

QAI Laboratories Inc.
1325 N. 108th East Ave.
Tulsa, OK 74116

Jarred Johnson
Quality and Safety Manager
(918) 437-8333

FIELDS OF TESTING	ACCREDITED TEST METHODS
Fire Testing	1997 UBC Standards 8-2, 26-1, 26-3 and 26-6; ANSI/ASTM Standard D 635; ASTM Standards D 1929, D 3801, E 84, E 136, E 662, E 1537 and E 1590; NFPA Standard 258, 275 and 286; ANSI/NFPA Standard 701 (Method 2); CAN/ULC S102, S102.2; UL Standards 94, 723, 1715, 1820, 1821, 1887; BFD IX-10 January 1, 1995, Regulations of Upholstered Furniture, BFD IX-11, September 1, 1993; Mattress Fire Test; California Technical Bulletin 129 October 1992 Flammability Test Procedure for Mattresses for Use in Public Buildings,; CPSC 16 CFR Part 1633 March 15, 2006 Standard for Flammability (Open Flame) of Mattress Sets, CPSC 16 CFR Part 1632 May 1991 Standard for the Flammability of Mattresses and Mattress Pads; BS Standard 5852; BS ES Standard 597; California Technical Bulletin 133 January 1991, Flammability Test Procedure for Seating Furniture for Use in Public Occupancies
Physical/Structural	ASTM Standards B 456, B 604, C 297, C 372, C 502, C 518, C 553, C 578, C 665, C 666, C 739, C 764, C 1014, C 1029, C 1104, C 1149, C 1289, D 543, D 570, D 618, D 638, D 695, D 790, D 968, D 1505, D 1525, D 1598, D 1599, D 1709, D 1785, D 2239, D 2241, D 2394, D 2583, D 2661, D 2665, D 2765, D 3029, D 3273, D 4226, D 4551, D 5420, D 5628, E 96, E 303, E 330, E 605, E 695, E 736, E 759, E 760, E 761, E 859, E 907, E 937, F 409, F 446 and F 462; Test methods referenced in Sections 3 and 4 of ICC-ES Acceptance Criteria AC12, Section 3 of AC29, Section 3 of AC66, Sections 3 and 4 of AC114, Section 3 of AC115, Sections 3 and 4 of AC209, Section 3 and 4 of AC273, Section 3 of AC342, Section 3 (except 3.1.3) of AC377; ANSI Standards A118.10 and A137.1; ANSI/CABO Standard A 117.1; 16 CFR 1209
Dimensional Stone and Tile	ASTM Standards C 67, C 97, C 99, C 120, C 121, C 170, C 217, C 241, C 282, C 448, C 484, C 485, C 499, C 503, C 568, C 609, C 614, C 615, C 616, C 627, C 629, C 648, C 650, C 880, C 1026, C 1027, C 1028, D 2047 and D 4535; ANSI A 118.12

February 9, 2015
Commencement Date



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

Print Date: 2/23/2015

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13-08892

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SCOPE OF ACCREDITATION

QAI Laboratories Inc. TL-282

FIELDS OF TESTING	ACCREDITED TEST METHODS
Mechanical Plumbing System Components	<p>ASTM Standards C1277; C1338; D 1598, D 1599, D 1785, D2513; D 2241, D 2661, D 2665, D2737; D2846, F 409, F 446, F 462, F 876, F 877, F 1281, F 1412 and G21;</p> <p>ASME Standards A112.1.3, A112.3.1, A112.3.4, A112.4.7, A112.6.1M, A112.6.3, A112.6.4, A112.6.7, A112.14.1, A112.18.2, A112.18.6, A112.19.5, A112.19.6 and A112.21.2, A112.21.3;</p> <p>ANSI/ASME Standards A112.1.2, A112.18.1/CSA B125.1, A112.19.1/CSA B45.2, A112.19.2/CSA B45.1, A112.19.3/CSA B45.4, A112.19.4/CSA B45.3, A112.19.6, A112.19.7/CSA B45S1, A112.19.8, A112.19.9, A112.19.14, A112.21.1M, A112.36.2M, A212.21.3M and CSA B45.5;</p> <p>ASSE Standards 1052; 1055; 1056; 1057; 1061; 1062; 1066; 1070; 1072;</p> <p>ANSI/ASSE Standards 1001, 1002, 1003, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1023, 1024, 1025, 1028, 1032, 1034, 1035, 1037, 1044, 1045, 1046, 1047, 1048, 1050, and 1051; ASSE Standards 1013, 1015, 1021, 1023, 1028, 1032, 1034, 1044, 1050; 10 CFR 430 subpart F, Appendix B;</p> <p>ANSI Standard Z124.1.2; ANSI/NSF Standard 61;</p> <p>CSA Standards B45.13-14, B45.9, B45.11, B64.0, B64.1.1, B64.1.2, B64.1.3, B64.1.4, B64.2, B64.2.1, B64.2.1.1, B64.2.2, B64.3, B64.3.1, B64.4, B64.4.1, B64.5, B64.5.1, B64.6, B64.6.1, B64.7, B64.8, B64.9, B79, B125.2, B125.3, B125.6</p> <p>IAPMO/ANSI Standards Z124.1, Z124.2, Z124.3, Z 124.4, Z124.5, Z124.6, Z124.7, Z124.8 and Z124.9;</p> <p>IAPMO IGC 122, 157, 161, 167, 168, 171, 194, 198, 263, 267, 275</p> <p>IAPMO PS 34, 46, 52, 54, 55, 59, 65, 67, 69, 72, 79, 90, 94, 95, 98, 99</p> <p>IAPMO TS 1, 2, 4, 11, 22, 30</p> <p>IAPMO Z401, Z1700</p> <p>Test methods referenced in Section 3 of ICC-ES Acceptance Criteria AC122, Section 3 of AC247, Section 3 AC252, Sections 3 and 4 (except 4.2) of AC274 and Sections 3 and 4 of AC311,</p> <p>EPA WaterSense® Criteria- High Efficiency Toilets, Bathroom Sink Faucets, Showerheads, Flushing Urinals, and Weather-based Irrigation Controllers</p>

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