

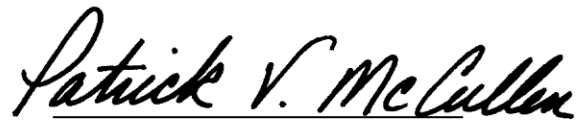
International Accreditation Service
CERTIFICATE OF ACCREDITATION

This is to signify that

CSA INTERNATIONAL
2805 BARRANCA PARKWAY
IRVINE, CALIFORNIA 92606-5114

Testing Laboratory TL-268
(September 14, 2011)

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ANS/ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories*, and has been accredited, commencing January 27, 2011, for the test methods listed in the approved scope of accreditation.



Patrick V. McCullen
Vice President



C. P. Ramani, P.E.
President



Print Date: 01/03/2012

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

*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.*

International Accreditation Service

SCOPE OF ACCREDITATION

CSA International TL-268
(September 14, 2011)

CSA International
2805 Barranca Pkwy.
Irvine, CA 92606-5114

Shawn Paulsen, P. Eng.
Manager, Conformity Assessment
(416) 747-4223

| FIELDS OF TESTING | ACCREDITED TEST METHODS |
|--|---|
| Fuel burning appliances and components | ANSI Standards Z21.1, Z21.5.1 - CAN/CGA 7.1, Z21.10.1 - CAN/CSA 4.1, Z21.10.3 - CAN/CSA 4.3, Z21.11.1 and .2, Z21.13, .19, .20, .23, .42 and .57, Z21.15 - CAN/CGA9.1, Z21.18 - CAN/CGA 6.3, Z21.21 - CAN/CGA 6.5, Z21.24 - CAN/CGA 6.10, Z21.47 -CAN/CGA 2.3, Z21.50 - CAN/CSA 2.22, Z21.54 - CAN/CSA 8.4, Z21.56 - CAN/CGA 47, Z21.58 - CAN/CGA 1.6, Z21.60 - CAN/CGA 2.26, Z21.71; Z21.76, Z21.77 - CAN/CGA 6.23, Z21.78 - CAN/CGA 6.20, Z21.84, Z21.86 -CAN/CSA 2.32, Z21.87 - CAN/CSA 4.6, Z21.88 - CAN/CSA 2.33, Z83.6, Z83.7 - CAN/CGA 2.14, Z83.8 - CAN/CGA 2.6, Z83.11 - CAN/CSA 1.8 and Z83.16; ANSI LC3-2000; ASCE Standards 285-97 and CR 90-002; IAS Standards 1-94, 1-97, 2-79, 2-86, 2-89, 2-94, 3-90, 3-92, 4-88, 5-90, 5-94 and 8-93 |
| Electrical products and components | CSA/UL/IEC/EN 60950-1, CSA/UL/IEC/EN 61010-1 and S82.02.02; CAN/CSA-C22.2 No. 601.2.10; CAN/CSA-C22.2 No. 60601-1-1:02; CAN/CSA-C22.2 No. 60601-2-12:03; IEC 60601-2-22; CAN/CSA-C22.2 No. 61010-2-101:04; CAN/CSA-C22.2 No. 61010-2-010:04; CAN/CSA-C22.2 No. 61010-2-051:04; UL 60601-1; IEC 60601-1 |

January 27, 2011
Commencement Date



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

Print Date: 01/03/2012

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| FIELDS OF TESTING | ACCREDITED TEST METHODS |
|----------------------------------|---|
| ENERGY STAR Program Requirements | <p>Imaging Equipment DFE with Single Voltage External Power Supply ENERGY STAR Program Requirements, Product Specification for Imaging Equipment IEC 62301 Ed 1.0: Household Electrical Appliances – Measurement of Standby Power Test Method for Calculating the Energy Efficiency of Single-Voltage External AC-DC and AC-AC Power Supplies</p> <p>DFE with internal Power Supply or Multiple Voltage External Power Supply ENERGY STAR Program Requirements, Product Specification for Imaging Equipment IEC 62301 Ed 1.0: Household Electrical Appliances – Measurement of Standby Power EPRI Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies</p> <p>Internal Power Supplies EPRI Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies</p> |

January 27, 2011
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 C. P. Ramani, P.E.
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| FIELDS OF TESTING | ACCREDITED TEST METHODS |
|---|--|
| ENERGY STAR Program Requirements (continued) | <p>Computers ENERGY STAR Program Requirements Product Specification for Computers</p> <p>EPRI Generalized Test Protocol for Calculating the Energy Efficiency of Internal Ac-Dc and Dc-Dc Power Supplies (for products that have internal, multi-output, or single output with integral cooling power supplies IEC 62301: Household Electrical Appliances - Measurement of Standby Power</p> <p>Dishwashers ENERGY STAR Program Requirements for Commercial Dishwashers, Version 1.2; NSF/ANSI 3-2007; ASTM Standards F 1696 and F 1920</p> <p>ENERGY STAR Program Requirements for Residential Dishwashers, Version 4.1, Revised February 2011; 10 CFR 430, Subpart B, Appendix C</p> |

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