



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

AUSTEST LABORATORIES
Ground Floor, 33-35 Alleyne Street
Chatswood NSW 2067 Australia
Mr. Martin Garwood Phone: +61 2 9882 6500

ELECTRICAL

Valid To: March 31, 2012

Certificate Number: 2765.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Product Safety, EMC and Telecommunication tests ¹:

Test

Test Method(s)

Product Safety

AS/NZS 60950.1;
IEC/EN 60950-1, 1st and 2nd Editions;
AS/NZS 3100;
AS/NZS 3105 (excluding integral switches);
AS/NZS 3112 (excluding integral switches);
AS/NZS 3122;
AS/NZS 3197 (excluding integral switches);
AS/NZS 60065 (excluding clause 12.1.2, vibration test);
IEC/EN 60065 (excluding clause 12.1.2, vibration test);
AS/NZS 60320.1 (excluding 'Hot' and 'Very Hot' conditions);
AS/NZS 60598.2.4, .2.6, .2.20, the relevant tests of AS/NZS 60598.1,
and the IEC and EN equivalent standards;
AS/NZS 61558 .2.6, .2.7, the relevant tests of AS/NZS 61558.1, and the
IEC and EN equivalent standards;
AS/NZS 3350.1, IEC 60335-1 3rd Edition, EN 60335.1 3rd Edition
(Excluding clauses 22.16, cord reel test. and 22.32, oxygen bomb test),
and the associated part 2 series of the standards for the following
equipment types:
Part 2.2 Vacuum Cleaners and Water-Suction Cleaning Appliances
(excluding clause 21, mechanical strength)
Part 2.3 Electric Irons
Part 2.6 Ranges, Ovens & Hobs
Part 2.9 Portable Cooking Appliances
Part 2.15 Appliances for Heating Liquids
Part 2.21 Storage Water Heaters
Part 2.23 Appliances for Skin and Hair Care
Part 2.24 Refrigerators and Ice Makers
Part 2.29 Battery Chargers
Part 2.30 Room Heaters
Part 2.31 Range Hoods (excluding clause 30, resistance of heat and
fire [ISO 9772 test apparatus])
Part 2.43 Clothes Dryers and Towel Rails

Test

Test Method(s)

Product Safety (Cont'd)

- Part 2.54 Surface Cleaning Appliances (excluding clauses 21.101 through 21.105, current-carrying hoses)
- Part 2.75 Commercial Dispensing Appliances and Vending Machines (excluding Annex AA, aging test for elastomeric parts)
- Part 2.80 Fans
- Part 2.82 Amusement Machines (excluding clause 31, resistance of rusting)
- Part 2.89 Commercial Refrigerating Appliances (excluding clauses 22.106 through 22.109, flammable refrigerants);

AS/NZS 60335.1, IEC 60335-1 4th Edition, EN 60335-1 4th Edition (Excluding clauses 22.16, cord reel test, and 22.32, oxygen bomb test), and the associated part 2 series of the standards for the following equipment types:

- Part 2.2 Vacuum Cleaners and Water-Suction Cleaning Appliances (excluding clause 21, mechanical strength)
- Part 2.3 Electric Irons
- Part 2.6 Ranges, Ovens & Hobs
- Part 2.9 Portable Cooking Appliances
- Part 2.15 Appliances for Heating Liquids
- Part 2.21 Storage Water Heaters
- Part 2.23 Appliances for Skin and Hair Care
- Part 2.24 Refrigerators and Ice Makers
- Part 2.29 Battery Chargers
- Part 2.30 Room Heaters
- Part 2.31 Range Hoods (excluding clause 30, resistance of heat and fire [ISO 9772 test apparatus])
- Part 2.43 Clothes Dryers and Towel Rails
- Part 2.54 Surface Cleaning Appliances (excluding clauses 21.101 through 21.105, current-carrying hoses)
- Part 2.75 Commercial Dispensing Appliances and Vending Machines (excluding Annex AA, aging test for elastomeric parts)
- Part 2.80 Fans
- Part 2.82 Amusement Machines (excluding clause 31, resistance of rusting)
- Part 2.89 Commercial Refrigerating Appliances (excluding clauses 22.106 through 22.109, flammable refrigerants);

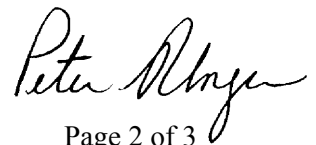
AS/IEC/EN 60529;
AS/NZS 61347.1;
IEC/EN 61347-1, 18.2, PCB resistance to fire;
IEC/EN 61347-2-13 (except Annex I.6.3.3, vibration test);

Performance (MEPS)

AS/NZS 4665;
AS/NZS 62087.1;
AS/NZS 62087.2.1;
AS/NZS 62087.2.2;
AS/NZS 62301;

Telecommunications

AS/ACIF S002;
AS/ACIF S003;
AS/ACIF S004;
AS/ACIF S006;



Test

Test Method(s)

Telecommunications (Cont'd)

AS/ACIF S008 (excluding underground conduit, surge suppression devices, optical fibre and coaxial cable, pits);
AS/ACIF S031, TBR 003/A1;
AS/ACIF S038, TBR 004/A1;
AS/ACIF S040;
AS/ACIF S041;
AS/ACIF S043.1;
AS/ACIF S043.2;
AS/ACIF S043.3;

* ¹ This accreditation covers testing performed at the main laboratory listed above, and the following satellite laboratory:

AUSTEST LABORATORIES
RMB 1430 Yarramalong Road
Yarramalong NSW 2259 Australia
Mr. Martin Garwood Phone: 61 2 9882 6500

Test

Test Method

EMC – Emissions

AS/NZS CISPR 11, CISPR 11, EN 55011 (excluding radiated interference <30 MHz and > 1 GHz);

AS/NZS CISPR 13, CISPR 13, EN 55013 (excluding broadcast satellite receivers and the disturbance voltage at antenna terminals test for other than 75 Ω coaxial equipment);

AS/NZS CISPR 14.1, CISPR 14.1, EN 55014.1;

AS/NZS CISPR 15, CISPR 15, EN 55015;

AS/NZS CISPR 22, CISPR 22, EN 55022, frequency range from 150 kHz to 1 GHz (excluding disturbances at telecommunications ports);

AS/NZS 4251.1 excepting measurements below 2 kHz;

EN 61000-6-3.0.1 and 0.2;

47 CFR FCC, Part 15B (Using ANSI C63.4-2003);



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

AUSTEST LABORATORIES

Chatswood, Australia

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 25th day of June 2010.





Peter Abney

President & CEO
For the Accreditation Council
Certificate Number 2765.02
Valid to March 31, 2012

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.