



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

AUSTRALIAN NATIONAL TESTING LABORATORIES PTY. LTD.

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THERMAL

Valid To: March 31, 2012

Certificate Number: 2975.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following **solar** tests:

<u>Tests</u>	<u>Test Method(s)</u>
Performance Testing of Solar Collectors	AS/NZS-2535.1
Efficiency	Clause 9
Effective Thermal Capacity	Clause 10.2
Time Constant	Clauses 10.3, 10.4
Pressure Drop	Clause 12
Qualification Tests of Solar Panels	AS/NZS-2712
Glass Breakage Test	Clause 4.4.3; Appendix C, Clause 5
Stagnation Test (Including Pre- and Post-Stagnation Thermal Performance Test)	Clause 4.5
Hail Resistance Test	Clause 4.6
Water Ingress Test	Clause 4.7
Protection Against Freezing Test (Method B)	Clause 4.8
Without Clear Sky Simulator (Level 1 or Level 2)	
Structural Strength Test	Clause 4.9
No Load Performance Test	Appendix F
Thermal Solar Systems and Components: Solar Collectors – 1 General Requirements	EN 12975-1
Thermal Solar Systems and Components: Solar Collectors – 2 Test Methods	EN 12975-2
Thermal Solar Systems and Components: Factory made Systems – 1 General Requirements	EN 12976-1
Thermal Solar Systems and Components: Factory made Systems – 2 Test Methods	EN 12976-2
Heat Loss Test (Storage Tanks and Heat Pumps)	AS/NZS-4692.1
Performance Testing of Heat Pumps	DR AS/NZS-5125

Tests

Test Method(s)

Trynsis Simulation

AS/NZS-4234

Test Methods for Solar Collectors

SRCC-100.08

Solar Domestic Hot Water Systems and Components

SRCC 300-TM1

Test Methods for Solar Collectors (Parts 1-3)

ISO 9806-1, -2, -3

Performance Testing of Solar Collectors

ASHRAE-93, -96

Solar Heating – Indoor Testing

ISO 9459-1





The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

AUSTRALIAN NATIONAL TESTING LABORATORIES PTY. LTD.

Rocklea, Queensland, Australia

for technical competence in the field of

Thermal 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 20th day of April 2010.





President & CEO

For the Accreditation Council
Certificate Number 2975.01
Valid to March 31, 2012
Revised September 22, 2010

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