



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

TUV RHEINLAND PTL, LLC

Tempe, AZ


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 0921.03
Valid to July 31, 2011

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



"World Class Accreditation"

The American Association for Laboratory Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TUV RHEINLAND PTL, LLC
2210 S. Roosevelt St.
Tempe, AZ 85282
Mr. William Shisler Phone: 480 966 1700

THERMAL (SOLAR)

Valid To: July 31, 2011

Certificate Number: 0921.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on photovoltaics, solar appliances, and components:

<u>Test</u>	<u>Test Methods</u>
ASHRAE 93	Methods of Testing to Determine the Thermal Performance of Solar Collectors
ASHRAE 96	Methods of Testing to Determine the Thermal Performance of Unglazed Flat-Plate Liquid-Type Solar Collectors
ISO 9806-1	Test Method for Solar Collectors Part 1: Thermal Performance of Glazed Liquid Heating Collectors Including Pressure Drop
ISO 9806-2	Test Methods for Solar Collectors Part 2: Qualification Test Procedures
ISO 9806-3	Test Methods for Solar Collectors Part 3: Thermal Performance of Unglazed Liquid Heating Collectors (sensible heat transfer only) Including Pressure Drop
SRCC OG 100-06	Operating Guidelines for Certifying Solar Collectors
SRCC Standard 100-08	Test Methods and Minimum Standards for Certifying Solar Collectors
SRCC Standard 600-10 ¹	Test Methods and Minimum Standards for Certifying Solar Concentrating Collectors
EN 12975-1	Thermal Solar Systems and Components-Solar Collectors, Part 1: General Requirements
EN-12975-2	Thermal Solar Systems and Components-Solar Collectors, Part 2: Test Methods

¹ – This laboratory meets A2LA R104 – *General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these tests.