



THE AMERICAN ASSOCIATION FOR
LABORATORY ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

GROUP DEKKO TECHNICAL CENTER

La Otto, IN

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 18 June 2005*).



Presented this 31st day of January 2009.

A handwritten signature in cursive script, appearing to read "Peter Abney".

President
For the Accreditation Council
Certificate Number: 766.02
Valid to: October 31, 2010

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

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

GROUP DEKKO TECHNICAL CENTER
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ELECTRICAL

Valid To: October 31, 2010

Certificate Number: 0766.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on the following types of materials and products: Attachment plugs and receptacles, heating elements, insulating materials, electrical office furnishings, wiring systems, and various electrical components and products.

Resistance/Resistivity

AC/DC
Insulation Resistance
Volume Resistivity
Surface Resistivity
Dry Circuit Resistance (1 mΩ minimum)

AC/DC Voltage Measurement, (0 to 40) kV dc/ (0 to 75) kV_{rms}

Interface Voltage Drop Measurement

AC Dielectric Testing, (0 to 75) kV

Dielectric Breakdown Voltage
Dielectric Breakdown Strength
Dielectric Withstand
Isolation Resistance

Capacitance and Relative Permittivity, 120 & 1000 Hz

DC Dielectric Testing, (0 to 6000) V

AC/DC Current Measurement, (0 to 1000) A

Regulated Voltage Sources

DC, (0 to 150) V, (0 to 1000) A
AC, (0 to 260) V, (45 to 5000) Hz

Accelerated Aging for Electrical Components (Life Cycle Testing)

Failure Analysis

Electrical Device and Appliance Safety:

Test Method

ANSI/EIA 456-A

Test Description

Metalized film, dielectric capacitors for alternating current applications, except vibration

Plastics/Polymer & Material Testing:

Test Method

ASTM A-712
ASTM B-193
ASTM B-539
ASTM D-149
ASTM D-257
ASTM D-3755
IEC 93 (60093)
IEC 243-1 (60243-1)
ISO 2951

Test Description

Electrical resistance of soft magnetic alloys
Resistivity of electrical conductor materials >20 mΩ
Resistance of electrical connections
Dielectric strength of insulating materials
Volume and surface resistivity
Dielectric breakdown of solid electric mat.
Volume and surface resistivity
Insulating strength at commercial power frequency
Insulation resistance for vulcanized rubber

Automotive Wire and Cable:

Test Method

SAE J-163
ISO 6722 (Part 1) - 6
USCAR 21

Test Description

Low tension cable terminals & splice clips
Unscreened low tension cable
(*Except Impact, Abrasion and Durability*)
Terminal wire snap-on female (crimp specifications)

Automotive Connectors:

Test Method¹

USCAR PF-1, Section 6 (*Except 6.4.4*)
SAE/USCAR-2, Clauses 5.3.1 - 5.3.4, 5.5.1 &
5.6.1 - 5.6.6

Test Description

Automotive electrical connection systems
Automotive electrical connector systems

Automotive Lighting:

Test Method

GM N 8020, Clauses 4.3.1.2.3, 4.3.1.3.1,
4.3.1.3.2, and 4.3.1.3.4

Test Description

Lamps development and validation test procedures

SAE/USCAR-15, 1/04,
(*Except 5.10, 5.11, and 6.7*)

Automotive miniature bulb socket/circuit plate assemblies

Also, using the above methods and customer supplied test methods directly related to the capabilities listed above.