



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SMITHERS RAPRA, INC.
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Akron, OH 44303-2088
Kenny McGinnis Phone: 330 762 7441

CHEMICAL

Valid To: March 31, 2012

Certificate Number: 0363.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on adhesives, sealants, plastics, polymers, resins and rubber products:

Spectroscopy

Atomic Absorption (Cu, Co, Mn, Mg, Pb, Zn, and Ca) – ASTM D4004
Fourier Transform Infrared – ASTM D3677
Sulfur Determination – Leco Method

Microscopy

TEM (Transmission Electron Microscopy) Primarily for Determining Carbon
Black Particle Size and Type
Optical Microscopy
SEM (Scanning Electron Microscopy with EDS) For Elemental Analysis and Materials
Investigation

Thermal Analysis

DSC (Differential Scanning Calorimetry) – ASTM E794, D3418
TGA (Thermogravimetric Analysis LLP-19) – ASTM E1131

Chemical Analysis of Rubber and Rubber Products – ASTM D297 sections 18-19, 34-35, 38-39

pH – ASTM D1293 Method B, D1512

Acid Dissolution - ASTM B680

Moisture Determination by Karl Fischer – ASTM D6869

Rubber from Natural Sources – Chemical Analysis – ASTM D1278 sections 6-17

Ash Content – ASTM D5630



World Class Accreditation

The American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

SMITHERS RAPRA, INC.

Akron, OH

for technical competence in the field of

Chemical 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 10th day of May 2010.





Peter Abney

President & CEO
For the Accreditation Council
Certificate Number 0363.01
Valid to March 31, 2012
Revised December 3, 2010

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