



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

RTI LABORATORIES, INC.¹
 33080 Industrial Road
 Livonia, MI 48150
 Charles O'Bryan Phone: 734 422 8000 ext. 215

CHEMICAL

Valid To: November 30, 2018

Certificate Number: 0570.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above as well as the satellite laboratory location listed below to perform the following tests on fasteners, metals, and alloys:

<u>Test Parameter</u>	<u>Test Methods</u>
Cleanliness Level by Gravimetric Analysis	ISO 4405, 16232-6
Cleanliness Level of Fluids by Light Scatter Detection	ISO 4406, 16232-9
Cleanliness Level and Characterization by Microscopic Methods	ISO 4407, 16232-7
Cleanliness Preparation and Expression	ISO 16232-2, -3, -4, -10
ICP-OES	ASTM D5185, E1613, E1645 (Withdrawn 1969, Replaced by D1640/1640M); UOP 714
Lead by ICP-OES	16 CFR 1303 using ASTM E1613; CPSC-CH-E1001-08
Loss on Drying by Thermogravimetry	ASTM E1868, SCAQMD Rule 1144
Measurement of Copper and other Elements in Brake Friction Materials	SAE J2975-2011, -2013
OES (Carbon Steel) (C, Cu, Cr, Mn, Mo, Ni, P, S, and Si)	ASTM E415
Viscosity	ASTM D445

Test Parameter

Test Methods

VOC Content	EPA Method 24; ASTM D2369
Water Content	ASTM D4017, D4377, D4928, E1064
FTIR	ASTM E334, E1252

¹This accreditation also covers testing performed at the following satellite laboratories listed below:

RTI LABORTORIES, INC.
31628 Glendale Avenue
Livonia, MI 48150

Test Parameter

Test Methods

ICP-MS	EPA SW-846-3050A/6020/6010C
Hexavalent Chromium	EPA SW-846- 7196A
Ion Chromatography	ASTM D4327; EPA SW-846-9056
Lead by ICP-MS	16 CFR 1303 using ASTM D5673; CPSC-CH-E1003-09.1
Measurement of Copper and other Elements in Brake Friction Materials	SAE J2975-2011, -2013
PCBs	EPA SW-846-8082
Phenols	EPA SW-846-9065





Accredited Laboratory

A2LA has accredited

RTI LABORATORIES, INC.

Livonia, MI

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 18th day of October 2016.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 0570.02
Valid to November 30, 2018
Revised October 26, 2017

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