



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SGS NORTH AMERICA, INC. ¹
 12255 Delta St.
 Taylor, Michigan 48180
 Chandni Thakkar Phone: 734-494-1177 x10281
 Chandni.thakkar@sgs.com

MECHANICAL

Valid To: March 31, 2018

Certificate Number: 1901.01

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 one satellite laboratory location listed below to perform the following tests on the following automotive components: Seating Systems and Components, Exhaust Systems and Components, Shock Absorbers, Interior and Exterior Trim, Structural Components and Stampings:

<u>Test</u>	<u>Parameter</u>	<u>Test Method</u>
Airleak Testing ²	(Up to 100 slpm)	ES8C34-5K214-AD:2008
High / Low Temperature ²	(-55 to 120) °C, 62 ft ³	TES TSD6522G:2004
High Temperature Air Flow ²	2,500 scfm, 1200 °C max.	CTS, Section 4.4.2.1; Ford CETP 09.02-E-300, Ford CETP 09.02-E-301; GMPT Catalytic Converter Assembly
Thermal Shock (Waterspray)		CTS, Section 4.4.2.1; DCX PF-9019, Section 2.4; Ford CETP 09.02-E-301; GMPT Catalytic Converter Assembly
Vibration ² with High Temperature Air Flow 2,500 scfm, 1200 °C max.	(5 to 3,000) Hz Up to 3" peak to peak displacement	CTS, Section 4.4.2.1; DCX PF-9019; Ford CETP 09.02-E-302, Ford CETP 09.02-E-304, Ford CETP 09.02-E-308, Ford CETP 09.02-E-309; GMPT Catalytic Converter Assembly
Sine	22,000 lbf	
Random	22,000 lbf	
Shock	54,000 lbf	

¹This accreditation covers testing performed at the main laboratory location listed above, and the following laboratory listed below:

SGS NORTH AMERICA, INC.
894 Maplelawn
Troy, MI 48084

<u>Test</u>	<u>Parameter</u>	<u>Test Method</u>
Airleak Testing ²	(Up to 100 slpm)	ES8C34-5K214-AD:2008
Durability / Axial and Bending Fatigue & Ultimate Strength ²	50,000 lbs max. (0 to 250) Hz Up to 10" peak to peak displacement	ES-F8UA-5K214-AA:1997, Section III D & F; Ford CETP 09.03-E300 Rev 200412; GES-97040A; GMW14390:2005
High / Low Temperature ²	(-55 to 120) °C, 62 ft ³	TES TSD6522G:2004
High Temperature Air Flow ²	500 scfm, 1200 °C max.	CTS, Section 4.4.2.1; Ford CETP 09.02-E-300, Ford CETP 09.02-E-301; GMPT Catalytic Converter Assembly
Thermal Shock (Waterspray)	25 psi	CTS, Section 4.4.2.1; DCX PF-9019, Section 2.4; Ford CETP 09.02-E-301; GMPT Catalytic Converter Assembly
Acoustic Measurements	(45-138) dbA in anechoic chamber	TES TSD6542G
DC Nutrunner	60 Nm, 665 RPM	Customer Specifications

²This laboratory also uses customer supplied specifications and/or methods (or methods developed by the lab and approved by the client) directly related to the types of tests and within the parameters listed above.





Accredited Laboratory

A2LA has accredited

SGS NORTH AMERICA, INC.

Taylor, MI

for technical competence in the field of

Mechanical 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 2016.

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

President and CEO
For the Accreditation Council
Certificate Number 1901.01
Valid to March 31, 2018
Revised January 31, 2018

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