

Scope of Accreditation For Kolano & Saha Engineers, Inc.

3559 Sashabaw Road
Waterford, MI 48329
Pranab Saha, Ph.D., P.E.
248-674-4100

In recognition of a successful assessment to ISO/IEC 17025:2005, accreditation is granted to **Kolano & Saha Engineers, Inc.** to perform the following tests:

Accreditation granted through: **October 23, 2017**

Testing – Acoustical

Technology	Range, when necessary	Methods Used	Product Types	Remarks
Normal Incidence Sound Absorption Coefficient	$\alpha = 0$ to 1 Freq. (100 to 6 300) Hz	ASTM E1050 ISO 10534	Acoustical Materials and Components	Reverberation Room: Anechoic, Hemi-anechoic Termination, Microphone, Spectrum Analyzers, Non-Contacting Transducers, Temperature Chamber, Special Test Fixtures
Random Incidence Sound Absorption Coefficient	$\alpha = 0$ to 1 Freq. (125 to 10 000) Hz	ASTM C423 ISO 354	Acoustical Materials and Components	
Sound Transmission Loss and Other Airborne Acoustical Performance	(0 to 90) dB Freq. (125 to 10 000) Hz	SAE J1400	Acoustical Materials and Components	
Acoustical Performance of Body Cavity Filler Materials	(0 to 90) dB Freq. (125 to 10 000) Hz	SAE J2846	Materials Intended for Body Cavity Filler Applications	See K&SE Test Methods
Vibration Damping Test	$\eta = 0.001$ to 1 Freq. (10 to 10 000) Hz	SAE J1637 ASTM E756	Vicso-elastic Materials	
Sound Power of a Noise Power	(0 to 120) dB Freq. of Sound: (100 to 10 000) Hz 1/3 Octave Band Frequency	ANSI S12.51 ISO 3741	Automotive Components, Products and Appliances	



Technology	Range, when necessary	Methods Used	Product Types	Remarks
Small Sample Random Incidence Sound Absorption	$\alpha = 0$ to 1 Freq. (250 to 10 000) Hz	SAE J2883	Acoustical Materials and Components	SAE Method in Development
Center Point (Mechanical Impedance) Damping	$\eta = 0.001$ to 1 Freq. (10 to 10 000) Hz	ISO 16940	Vicso-elastic Materials	
Airflow Resistance	Sp. Airflow Resistance (45 to 17 000) mks Rayls	ASTM C522 ISO 9053 Method A	Permeable Materials	

Notes:

- 1) This laboratory offers commercial testing service.

Approved by: _____


R. Douglas Leonard
Chief Technical Officer

Date: October 13, 2015