



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY AUBURN HILLS

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ACOUSTICS AND VIBRATION

Valid To: May 31, 2026

Certificate Number: 1123.08

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests using the parameters and methods listed below on the following products and materials: abrasives; automotive components; coatings; glass and glass products; textiles; instrument clusters; and circuit boards.

Test Type	Test Parameters	Test Method/ Standard
Acoustics Testing¹ Semi Anechoic Acoustics Testing Pressure Pulsation Rotational Noise Evaluation Injector Bench Testing		



Test Type	Test Parameters	Test Method/ Standard
		MIL-STD-810(G,H) method 514; Nissan 28401NDS01; SAE J 1455; TSC 7000G; USCAR-2; USCAR-21

Sine Vibration¹

Single Axis Vibration Testing. Electro-dynamic vibration tables. Controllers using client methods within the following parameters:

Displacement: up to 2in pk-to-pk

Force: Up to 15,000 force-lbs

Frequency:
5Hz to 3,000Hz

Acceleration:
Up to 100g (depending on product and fixture design & mass)

Temperature:
(-50 to +150) °C

Ramp rate 20°C/m587 0 Td(5Tceet)6.2 .587 -1.141 Tdp-4 (/ /P < 04p 6 (04p .587 <<



For the types of tests to which this accreditation applies, please refer to the laboratory's Acoustics and Vibration