

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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ACOUSTICAL TESTING SERVICES

NVLAP LAB CODE 100227-0

Material and Acoustical Properties of Acoustical Elements

<u>Code</u>	<u>Designation</u>	<u>Description</u>
08/P105	ASTM E2611	Standard Test Method for Measurement of Normal Incidence Sound Transmission of Acoustical Materials Based on the Transfer Matrix Method

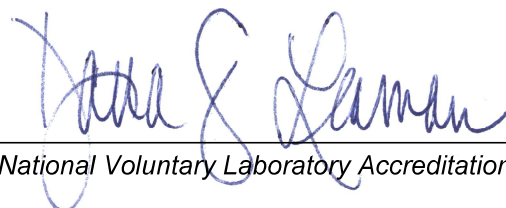
Sound Absorption

<u>Code</u>	<u>Designation</u>	<u>Description</u>
08/P03	ASTM C423	Sound absorption and sound absorption coefficients by the reverberation room method
08/P102	ISO 10534-2	Acoustics -- Determination of sound absorption coefficient and impedance in impedance tubes -- Part 2: Transfer-function method
08/P35	ASTM E1050	Impedance and absorption of acoustical materials using a tube, two microphones, and a digital frequency analysis system
08/P44	ISO 354	Acoustics/Measurement of sound absorption in a reverberation room
08/P72	AS ISO 354	Acoustics/Measurement of sound absorption in a reverberation room

Sound Transmission - Airborne

Airborne Sound Transmission -- Field

<u>Code</u>	<u>Designation</u>	<u>Description</u>
08/P100	ASTM E2964	Standard Test Method for Measurement of the Normalized Insertion Loss of Doors



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08/P31 ASTM E336 Measurement of airborne sound insulation in buildings

Sound Transmission of Partitions

<u><i>Code</i></u>	<u><i>Designation</i></u>	<u><i>Description</i></u>
08/P06	ASTM E90	Laboratory measurement of airborne sound transmission loss of building partitions
08/P104	ISO 10140-3	Acoustics -- Laboratory measurement of sound insulation of building elements -- Part 3: Measurement of impact sound insulation
08/P96	ISO 10140-2	Acoustics - Laboratory measurement of sound insulation of building elements. Measurement of airborne sound insulation

Sound Transmissions in Spaces

<u><i>Code</i></u>	<u><i>Designation</i></u>	<u><i>Description</i></u>
08/P08	ASTM E596	Laboratory measurement of noise reduction of sound-isolating enclosures
08/P109	ASTM E3133	Standard Test Method for Laboratory Measurement of Floor Impact Sound Radiation Using the Tapping Machine
08/P54	SAE J1400	Laboratory measurement of the airborne sound barrier performance of automotive materials and assemblies
08/P99	ANSI S3.1	Maximum permissible ambient noise levels for audiometric test rooms

Sound Transmission - Structure Borne

Structure Borne Sound Transmission -- Field

<u><i>Code</i></u>	<u><i>Designation</i></u>	<u><i>Description</i></u>
08/P32	ASTM E1007	Field measurement of tapping machine impact sound transmission through floor-ceiling assemblies and associated support structures

Structure Borne Sound Transmission -- Laboratory

<u><i>Code</i></u>	<u><i>Designation</i></u>	<u><i>Description</i></u>
08/P07	ASTM E492	Laboratory measurement of impact sound transmission through floor-ceiling assemblies using the tapping machine
08/P59	ASTM E2179	Laboratory measurement of the effectiveness of floor coverings in reducing impact sound transmission through concrete floors

Sound Power

Sound Power -- General

<u><i>Code</i></u>	<u><i>Designation</i></u>	<u><i>Description</i></u>
08/P113	ISO 23351-1	Acoustics – Measurement of speech level reduction of furniture ensembles and enclosures – Part 1: Laboratory method

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08/P46	ISO 3741	Determination of sound power levels of noise sources precision methods for broad-band sources in reverberation rooms
08/P60	ANSI S12.51	Determination of sound power levels of noise sources using sound pressure - precision method for reverberation rooms

Sound Power -- Machine Specific

<u>Code</u>	<u>Designation</u>	<u>Description</u>
08/P103	ISO 5129	Acoustics -- Measurement of sound pressure levels in the interior of aircraft during flight
08/P39	ANSI S12.5	Requirements for the performance and calibration of reference sound sources
08/P51	ISO 6926	Determination of sound power levels of noise sources requirements for the performance and calibration of reference sound sources

Standard Practices in Acoustical Testing

<u>Code</u>	<u>Designation</u>	<u>Description</u>
08/P70	ASTM E795	Standard practice for mounting test specimens during sound absorption tests
08/P97	ASTM E2235-04	Determination of decay rates for use in sound insulation test methods