

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**Riverbank Acoustical Laboratories (Alion Science & Technology)**

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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/P61	AAMA 1801	Acoustical rating of windows, doors, and glazed wall systems

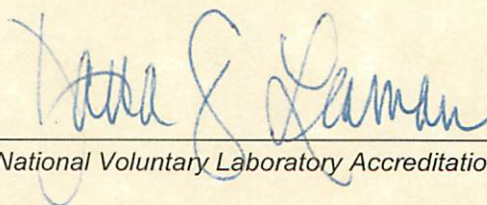
**Sound Absorption**

<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>Code</u>	<u>Designation</u>	<u>Description</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>Code</u>	<u>Designation</u>	<u>Description</u>
08/P08	ASTM E596	Laboratory measurement of noise reduction of sound-isolating enclosures
08/P109	E3313-18	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>Code</u>	<u>Designation</u>	<u>Description</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>Code</u>	<u>Designation</u>	<u>Description</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>Code</u>	<u>Designation</u>	<u>Description</u>
08/P46	ISO 3741	Determination of sound power levels of noise sources precision methods for broad-band sources in reverberation rooms



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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