ACOUSTICAL TESTING SERVICES
TEST METHOD SELECTION LIST

Instruction: Check each test method for which you are requesting accreditation.

Note: Accreditation is limited to the frequency range for which the test room has been qualified.

NVLAP Test Method Code	*Test Method Designation*	*Short Title*
MATERIAL PROPERTIES		
_____ 08/P01	ASTM C367	Strength properties of prefabricated architectural acoustical tile or lay-in ceiling panels
_____ 08/P04	ASTM C522	Airflow resistance of acoustical materials
_____ 08/P09	ASTM E756	Measuring vibration-damping properties of materials
_____ 08/P55	SAE J1637	Laboratory measurement of the composite vibration damping properties of materials on a supporting steel bar
_____ 08/P61	AAMA 1801	Acoustical rating of windows, doors, and glazed wall systems
SOUND ABSORPTION		
_____ 08/P02	ASTM C384	Impedance and absorption of acoustical materials by the impedance tube method
_____ 08/P03	ASTM C423	Sound absorption and sound absorption coefficients by the reverberation room 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

Device Specific

_____ 08/P98	NFPA 1981 (Sec. 3.3.49, 7.10, 7.17, 8.10, and 8.15)	Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency Services

Field

_____ 08/P31	ASTM E336	Measurement of airborne sound insulation in buildings
_____ 08/P37	ASTM E966	Guide for field measurement of airborne sound insulation of building facades and facade elements

Laboratory - Set 1

_____ 08/P06	ASTM E90	Laboratory measurement of airborne sound transmission loss of building partitions
_____ 08/P96	BS EN ISO 10140-2	Acoustics - Laboratory measurement of sound insulation of building elements - Measurement of airborne sound insulation

Laboratory - Set 2

_____ 08/P08	ASTM E596	Laboratory measurement of noise reduction of sound-isolating enclosures
_____ 08/P33	ASTM E1111	Measuring the interzone attenuation of ceiling systems
_____ 08/P34	ASTM E1414	Airborne sound attenuation between rooms sharing a common ceiling plenum
_____ 08/P36	ASTM E477	Measuring acoustical and airflow performance of duct liner materials and prefabricated silencers
_____ 08/P49	AMA-1-II-67	Ceiling sound transmission test by two-room method

_____ 08/P54	SAE J1400	Laboratory measurement of the airborne sound barrier performance of automotive materials and assemblies
_____ 08/P58	ASTM E1222	Laboratory measurement of the insertion loss of pipe lagging systems
_____ 08/P71	AS/NZS 2499	Measurements of sound insulation in buildings and of building elements - Laboratory measurement of room-to-room airborne sound insulation of a suspended ceiling with a plenum above it
_____ 08/P92	ISO 7235	Acoustics - Laboratory measurement procedures for ducted silencers and air-terminal units - Insertion loss, flow noise and total pressure loss
_____ 08/P93	ISO 11691	Acoustics - Measurement of insertion loss of ducted silencers without flow - Laboratory survey method
_____ 08/P99	ANSI S3.1	Maximum permissible ambient noise levels for audiometric test rooms

SOUND TRANSMISSION - STRUCTURE BORNE

Field

_____ 08/P32	ASTM E1007	Field measurement of tapping machine impact sound transmission through floor-ceiling assemblies and associated support structures
_____ 08/P94	ASTM E1124	Field measurement of sound power level by the two-surface method
_____ 08/P95	ASTM E1574	Measurement of sound in residential spaces

Laboratory

_____ 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

_____ 08/P76	ISO 10848-2	Acoustics - Laboratory measurement of the flanking transmission of airborne and impact sound between adjoining rooms - Part 2: Application to light elements when the junction has a small influence

SOUND POWER

Generic

_____ 08/P11	ISO 3744	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane
_____ 08/P21	ISO 3745	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for anechoic rooms and hemi-anechoic rooms
_____ 08/P46	ISO 3741	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Precision methods for reverberation test rooms
_____ 08/P60	ANSI S12.51	Determination of sound power levels of noise sources using sound pressure - precision method for reverberation rooms
_____ 08/P62	ANSI S12.54	Determination of sound power levels of noise sources using sound pressure - Engineering method in an essentially free field over a reflecting plane
_____ 08/P63	ANSI S1.10	Method for calibration of microphones
_____ 08/P79	ANSI S12.55	Determination of sound power levels of noise sources using sound pressure - Precision methods for anechoic and hemi-anechoic rooms

Machine Specific

_____ 08/P24	ANSI S12.10	Measurement and designation of noise emitted by computer and business equipment

_____ 08/P38	ANSI S12.11	Measurement of noise emitted by small air-moving devices
_____ 08/P39	ANSI S12.5	Requirements for the performance and calibration of reference sound sources
_____ 08/P40	ISO 9296	Acoustics - Declared noise emission values of computer and business equipment
_____ 08/P41	ECMA 74	Measurement of airborne noise emitted by information technology and telecommunication equipment
_____ 08/P48	ISO 7779	Acoustics - Measurement of airborne noise emitted by information technology and telecommunications equipment
_____ 08/P51	ISO 6926	Acoustics - Requirements for the performance and calibration of reference sound sources used for the determination of sound power levels
_____ 08/P52	ISO 3822	Laboratory tests on noise emission from appliances and equipment used in water supply installations
_____ 08/P53	SAE J1477	Measurement of interior sound levels of light vehicles
_____ 08/P65	ISO 11201	Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections
_____ 08/P67	IEC 60704-1	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise emitted by household and similar electrical appliances - Part 1: General requirements
_____ 08/P68	IEC 60704-2-3	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-3: Particular requirements for dishwashers

_____ 08/P69	ECMA 109	Declared noise emission values of information technology and telecommunications equipment
_____ 08/P73	ISO 10302	Acoustics - Measurement of airborne noise emitted and structure-borne vibration induced by small air-moving devices
_____ 08/P75	IEC 60704-2-4	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-4: Particular requirements for washing machines and extractors
_____ 08/P77	IEC 60704-2-6	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-6: Particular requirements for tumble-dryers
_____ 08/P78	ANSI S12.15	Portable electric power tools, stationary and fixed electric power tools, and gardening appliances - Measurement of sound emitted
_____ 08/P80	IEC 60704-2-14	Household and similar electrical appliances - Test code for the determination of airborne acoustical noise - Part 2-14: Particular requirements for refrigerators, frozen-food storage cabinets and food freezers
_____ 08/P90	ISO 3747	Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering/survey methods for use in situ in a reverberant environment

HEARING PROTECTORS

_____ 08/P26	ANSI S3.19 (ANSI S3.19-1974)	Measurement of real-ear protection of hearing protectors and physical attenuation of earmuffs
_____ 08/P27	ANSI S12.6	Methods for measuring the real-ear attenuation of hearing protectors
_____ 08/P66	AS/NZS 1270	Acoustics - Hearing protectors

_____ 08/P81	ANSI S12.42	Methods for measurement of insertion loss of hearing protection devices in continuous or impulsive noise using microphone-in-real-ear or acoustics test fixture procedures
_____ 08/P82	BS EN 352-1	Hearing protectors - Safety requirements and testing - Ear-muffs
_____ 08/P83	BS EN 352-2	Hearing protectors - Safety requirements and testing - Ear-plugs
_____ 08/P84	BS EN 352-3	Hearing protectors - Safety requirements and testing - Ear-muffs attached to an industrial safety helmet
_____ 08/P85	BS EN 352-4	Hearing protectors - Safety requirements and testing - Level-dependent ear-muffs
_____ 08/P86	BS EN 352-5	Hearing protectors - Safety requirements and testing - Active noise reduction ear-muffs
_____ 08/P87	BS EN 352-6	Hearing protectors - Safety requirements and testing - Ear-muffs with electrical audio input
_____ 08/P88	BS EN 352-7	Hearing protectors - Safety requirements and testing - Level-dependent ear-plugs
_____ 08/P89	BS EN 352-8	Hearing protectors - Safety requirements and testing - Entertainment audio ear-muffs

STANDARD PRACTICES

_____ 08/P43	ASTM E1425	Standard practice for determining the acoustical performance of exterior windows and doors
_____ 08/P64	ASTM E1816	Standard practice for ultrasonic examinations using electromagnetic acoustic transducer (EMAT) techniques
_____ 08/P70	ASTM E795	Standard practice for mounting test specimens during sound absorption tests
_____ 08/P91	MIL-STD-1474D	Department of Defense design criteria standard - Noise limits

_____	08/P97	ASTM E2235-04	Determination of decay rates for use in sound insulation test methods

OTHER

Please list additional test methods for which you seek accreditation.

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