DATE : _____ **NVLAP LAB CODE:** _____

ACOUSTICAL TESTING SERVICES
TEST METHOD SELECTION LIST

Instructions: Check each test method for which you are requesting accreditation.[1]

	NVLAP Code	*Test Method Designation*	*Short Title*
_____	08/P01	ASTM C367	Strength Properties of Prefabricated Architectural Acoustical Tile or Lay-In Ceiling Panels
_____	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/P04	ASTM C522	Airflow Resistance of Acoustical Materials
_____	08/P05	ASTM C523	Light Reflectance of Acoustical Materials by the Integrating Sphere Reflectometer
_____	08/P06	ASTM E90	Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions
_____	08/P07	ASTM E492	Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine
_____	08/P08	ASTM E596	Laboratory Measurement of Noise Reduction of Sound-Isolating Enclosures
_____	08/P09	ASTM E756	Measuring Vibration-Damping Properties of Materials
_____	08/P10	ANSI S12.31	Determination of Sound Power Levels of Broad-Band Noise Sources in Reverberation Rooms
_____	08/P11	ISO 3744	Determination of Sound Power Levels of Noise Sources - Engineering Methods for Free-Field Conditions Over a Reflecting Plane
_____	08/P13	ANSI S12.32	Determination of Sound Power Levels of Discrete-Frequency and Narrow-Band Noise Sources in Reverberation Rooms
_____	08/P21	ISO 3745	Determination of Sound Power Levels of Noise Sources - Precision Methods for Anechoic and Semi-Anechoic Rooms
_____	08/P24	ANSI S12.10	Measurement and Designation of Noise Emitted by Computer and Business Equipment

[1] Accreditation is limited to the frequency range for which the test room has been qualified.

_____	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/P28	ASTM E1375	Measuring the Interzone Attenuation of Furniture Panels Used as Acoustical Barriers
_____	08/P29	ASTM E1376	Measuring the Interzone Attenuation of Sound Reflected by Wall Finishes and Furniture Panels
_____	08/P30	ASTM E1408	Laboratory Measurement of the Sound Transmission Loss of Door Panels and Door Systems
_____	08/P31	ASTM E336	Measurement of Airborne Sound Insulation in Buildings
_____	08/P32	ASTM E1007	Field Measurement of Tapping Machine Impact Sound Transmission through Floor-Ceiling Assemblies and Associated Support Structures
_____	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/P35	ASTM E1050	Impedance and Absorption of Acoustical Materials Using a Tube, Two Microphones, and a Digital Frequency Analysis System
_____	08/P36	ASTM E477	Measuring Acoustical and Airflow Performance of Duct Liner Materials and Prefabricated Silencers
_____	08/P37	ASTM E966	Guide for Field Measurement of Airborne Sound Insulation of Building Facades and Facade Elements
_____	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/P43	ASTM E1425	Standard Practice for Determining the Acoustical Performance of Exterior Windows and Doors
_____	08/P44	ISO 354	Acoustics/Measurement of Sound Absorption in a Reverberation Room

_____	08/P45	ISO 140, Part 3	Laboratory Measurement of Airborne Sound Insulation of Building Elements
_____	08/P46	ISO 3741	Determination of Sound Power Levels of Noise Sources - Precision Methods for Broad-Band Sources in Reverberation Rooms
_____	08/P47	ISO 3742	Determination of Sound Power Levels of Noise Sources - Precision Methods for Discrete-Frequency and Narrow-Band Sources in Reverberation Rooms
_____	08/P48	ISO 7779	Measurement of Airborne Noise Emitted by Computer and Business Equipment
_____	08/P49	AMA-1-II-67	Ceiling Sound Transmission Test by Two-Room Method
_____	08/P50	ISO 140, Part 9	Laboratory Measurement of Room-to-Room Airborne Sound Insulation of a Suspended Ceiling with a Plenum Above
_____	08/P51	ISO 6926	Determination of Sound Power Levels of Noise Sources - Requirements for the Performance and Calibration of Reference Sound Sources
_____	08/P52	ISO 3822	Laboratory Tests on Noise Emission from Appliance and Equipment Used in Water Supply Installations
_____	08/P53	SAE J1477	Measurement of Interior Sound Levels of Light Vehicles
_____	08/P54	SAE J1400	Laboratory Measurement of the Airborne Sound Barrier Performance of Automotive Materials and Assemblies
_____	08/P55	SAE J1637	Laboratory Measurement of the Composite Vibration Damping Properties of Materials on a Supporting Steel Bar
_____	08/P56	ANSI S12.35	Precision Methods for the Determination of Sound Power Levels of Noise Sources in Anechoic and Hemi-Anechoic Rooms
_____	08/P57	ANSI S12.34	Determination of Sound Power Levels of Noise Sources for Essentially Free-Field Conditions over a Reflecting Plane
_____	08/P58	ASTM E1222	Laboratory Measurement of the Insertion Loss of Pipe Lagging Systems
_____	08/P59	ASTM E2179	Laboratory Measurement of the Effectiveness of Floor Coverings in Reducing Impact Sound Transmission Through Concrete Floors
_____	08/P60	ANSI S12.51	Determination of Sound Power Levels of Noise Sources Using Sound Pressure - Precision Method for Reverberation Rooms

_____	08/P61	AAMA 1801	Acoustical Rating of Windows, Doors and Glazed Wall Sections
_____	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/P64	ASTM E1816	Standard Practice for Ultrasonic Examinations Using Electromagnetic Acoustic Transducer (EMAT) Techniques
_____	08/P65	ISO 11201	Noise Emitted by Machinery and Equipment - Measurement of Emission Sound Pressure Levels at a Work Station and at Other Specified Positions - Engineering Method in an Essentially Free Field Over a Reflecting Plane
_____	08/P66	AS/NZS 1270	Acoustics - Hearing Protectors
_____	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/P70	ASTM E795	Standard Practice for Mounting Test Specimens During Sound Absorption Tests
_____	08/P71	AS/NZS 2499	Measurement of Sound Insulation in Building and Building Elements - Laboratory Measurement of Room-to-Room Airborne Sound Insulation of a Suspended Ceiling with a Plenum Above It
_____	08/P72	AS ISO 354	Acoustics/Measurement of Sound Absorption in a Reverberation Room
_____	08/P73	ISO 10302	Acoustics - Method for the measurement of airborne noise emitted by small air-moving devices
_____	08/P74	ISO 8960	Refrigerators, Frozen-Food Storage Cabinets and Food Freezers for Household and Similar Use – Measurement of Emission of Airborne Acoustical Noise
_____	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/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
_____	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/P79	ANSI S12.55	Determination of sound power levels of noise sources using sound pressure - Precision methods for anechoic and hemi-anechoic rooms
_____	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/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
_____	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

DATE : | **NVLAP LAB CODE:**

TEST INSTRUMENT IDENTIFICATION

Provide a description of the equipment utilized (reverberation room, anechoic room, impedance tube, sound source, microphones used, time-averaging instrumentation, calibration source) as applicable, for the test methods for which accreditation is being requested. Include the frequency range for each chamber for which accreditation is being sought.