



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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MECHANICAL

Valid To: February 28, 2017

Certificate Number: 3737.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on aircraft components; automotive components; pipes, hoses, valves and fittings; pressure vessels; consumer electronics; medical devices; industrial controls; test and measurement equipment; IT equipment; HVAC controls and systems; telephone equipment; circuit breakers; and seismic vibration on electrical components, frames, motors, structural models and HVAC:

Tests	Method(s)
Vibration Sine, Random, High-Frequency, Fatigue, Shock, and Gunfire 5 Hz to 2.5 kHz 1.5" stroke	MIL-STD-810 (Methods 514, 516, 519)
High/Low Temperature	MIL-STD-810 (Methods 501.4, 502.4, 503.4)
Humidity, Moisture	MIL-STD-810 (Method 507)
Operating Temperature	MIL-STD-810 (Method 507.4); IEC 60068
Environmental Test Methods and Engineering Guidelines	MIL-STD-810 (Methods 500, 501, 502, 503, 505, 506, 507, 509, 512, 521)
Seismic	IEEE-344; International Building Code 2000; ICC-ES AC 156

Tests	Method(s)
Materials/Mechanical:	
Rockwell Hardness	ASTM E18
Microhardness	ASTM E384
Tensile (Ambient Temperature)	ASTM A370, E8
Metallography:	
Macroetch/Macro Exam	ASTM E340, E381
Grain Size	ASTM E112
Coating Thickness	ASTM B487
Microetching	ASTM E407
Sample Preparation	ASTM E3
Chemical Analysis of Metals:	
X-Ray Fluorescence (XRF)	2A86-9178041
Glow Discharge Spectroscopy (GDS)	2A86-9203705
Elemental Determination by Combustion/Fusion (C, S)	2A86-920334

Peter Abaya