Accredited Laboratory

A2LA has accredited

SINTAVIA, LLC

Davie, FL

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 12th day of April 2023.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4157.01
Valid to February 28, 2025

For the types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SINTAVIA, LLC
6545 Nova Drive, Suite 207
Davie, FL 33317
Melvin Scott Phone: 513 505 4778

MECHANICAL

Valid To: February 28, 2025 Certificate Number: 4157.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on components made by additive manufacturing process and raw materials:

Test Technology:	**Test Method(s) [1]:**
Metals	
Hardness	
Rockwell (B, C)	ASTM E18
Superficial (15N, 30N, 45N, 15T, 30T, 45T)	ASTM E18
Microhardness (HV 0.5 kg)	ASTM E384
Vickers Hardness (10 kg)	ASTM E92
Tensile (Room Temperature, up to 300 kN)	ASTM E8/8M
Fatigue (20 Hz at 0 - 250 kN)	ASTM E466
Metallographic Evaluation:	
Preparation	ASTM E3
Microetching	ASTM E407
Grain Size by comparison	ASTM E112
Micro Structure	ASM Handbook Vol. 9
Macro Etch	ASTM E340, E381
Hall Flow Test	ASTM B213
Carney Flow Test	ASTM B964
Apparent Density	ASTM B311
True Density	ASTM B923
SEM/EDS	ASTM E1508
Particle Size Distribution	ASTM B822

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Test Technology:	Test Method(s) [1]:
Metals	
Failure Analysis	Using test methods listed above in accordance with the ASM Handbook, Volume 11
Chemical Analysis	
ICP	ASTM E2594, E3061, E2371
H, N, O	ASTM E1409, E1447, E1019
C, S	ASTM E1019, E1941

[1]When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA *R101 - General Requirements-Accreditation of ISO-IEC 17025 Laboratories*