



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SINTAVIA, LLC  
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 Davie, FL 33317  
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MECHANICAL

Valid To: February 28, 2019

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 additive manufacturing components and metals:

**Test Technology:**

**Test Method(s):**

***Metals***

Hardness

Rockwell (A, B, C)

ASTM E18

Superficial (30N, 30T)

ASTM E18

Microhardness (HK 0.5kg, HV 0.5kg)

ASTM E384, E92

Vickers Hardness (10kg)

ASTM E92

Tensile (Room Temperature, 0-300kn)

ASTM E8

Fatigue (HCF at 0-100kn)

ASTM E466

Creep (20:1 50klbs) (RT-1700°F)

ASTM E139

Charpy Impact Test (0-300ft lbs)

ASTM E23

Metallographic Evaluation:

Preparation

ASTM E3

Grain Size

ASTM E112

Micro Structure

ASTM E407, ASM Handbook Vol. 9

Macro Etch / Micro Etch

ASTM E340, E381

Porosity Evaluation

Sintavia Procedure WI-54.4

Hall Flow Test

ASTM B213

Carney Flow Test

ASTM B964

Density

ASTM B311

SEM/EDS

ASTM E1508

Particle Size Distribution

ASTM B822

**Test Technology:**

*Metals*

Failure Analysis

**Test Method(s):**

Using test methods listed above in accordance with the ASM Handbook, Volume 11

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## *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 17025:2005 *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 8 January 2009).



Presented this 20<sup>th</sup> day of December 2016.

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President and CEO  
For the Accreditation Council  
Certificate Number 4157.01  
Valid to February 28, 2019

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