



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

N.F. SMITH AND ASSOCIATES, L.P.
8820 Clay Road Suite #200
Houston, TX 77080
Mr. Chris Dang 713 430 3958
www.smithweb.com cdang@nfsmith.com

MECHANICAL

Valid Until: July 31, 2022

Certificate Number: 3804.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform analysis and testing of Electrical, Electronic, and Electromechanical (EEE) components:

Test:

Test Method(s):

Counterfeit Detection using the following methods:

Blacktop Testing / Marking Permanency Testing	WI-SM-8.2.4.8-00 (Dynasolve 750), Based on OEM
Bake Dry Pack	J-STD-033B.1, Table 4-1
Bond Strength	MIL-STD-883, Method 2011, Condition D
Die Shear Strength	MIL-STD-883, Method 2019
C-SAM Inspection	MIL-STD-883, Method 2030.2; IDEA-STD-1010B
Decapsulation	WI-SM-8.2.4-3; IDEA-STD-1010B
Visual Inspection X20 L4X0 up to Keyence VHX-2000	MIL-STD-883, Methods 2009 and 2016; IDEA-STD- 1010B, Section 10
X-Ray Inspection	IDEA-STD-1010B, Section 11.4; WI-SM-8.2.4.6-00
XRF	EU RoHS Specification 110; IDEA-STD-1010B
Solderability	MIL-STD-883, Method 2003.9; J-STD-002C, Section 4.2 & App. A & B; JESD22-B102E, Section 5.2; WI-SM-8.2.4.5-00



Accredited Laboratory

A2LA has accredited

N.F. SMITH AND ASSOCIATES, L.P.

Houston, TX

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 19th day of August 2020.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3804.01
Valid to July 31, 2022

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