



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

DEKRA SERVICES, INC.
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Princeton, NJ 08540
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CHEMICAL

Valid To: June 30, 2027

Certificate Number: 2303.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on powders, liquids, and vapors used in industrial processes:

<u>Test</u>	<u>Test Method(s)</u>
Industrial Explosion Hazards Lab (IEH)	
Powder Volume Resistivity	BS 5958; ASTM D257
Charge Decay-powders and FIBC	BS 5958
Electrostatic / Powder Chargeability	BS 5958; ASTM D4470
Liquid Conductivity	BS 5958; ASTM D2624
Surface Resistivity	BS 5958; ASTM D257
Breakdown Voltage Determination and Propagating Brush Discharge Test	IEC 61340-4-4; ASTM D3755
Limiting Oxygen Concentration (LOC)	ASTM E2931; ISO 6184; Kühner Manual
Flash Point Determination (Pensky Martens Closed Cup)	ASTM D93
Flash Point Determination (Cleveland Open Cup)	ASTM D92
Flash Point Determination (TAG Closed Cup)	ASTM D56
Upper and Lower Flammability Test	ASTM E681
Autoignition Temperature of Chemicals	ASTM E659
Limits of Flammability of Chemicals at Elevated Temperature and Pressure	ASTM E918
Self-Heating Solids Test	EPA Method 1050; UN Div. 4.1- Test N.4
Go/No-Go Explosibility Screening (Dust Cloud)	ASTM E1226
Explosion Severity	ASTM E1226
Minimum Ignition Energy (3 mJ – 10 J)	ASTM E2019; BS 5958
Minimum Ignition Temperature, Layer	ASTM E2021
Minimum Ignition Temperature, Dust Cloud	ASTM E1491
Minimum Explosible Concentration	ASTM E1515
Burn Rate Test	UN Div. 4.1- Test N.1

<u>Test</u>	<u>Test Method(s)</u>
Industrial Explosion Hazards Lab (IEH)	
BAM Fall Hammer Test	UN Test 3(a)(ii)-BAM Fallhammer – Test of Impact Sensitivity
BAM Friction Test	UN Test 3(b)(i)- BAM Friction
Diffusion Cell (Bulk Powder Screening)	“Prevention of Fire and Explosion in Dryers”, ISBN 0-85295-257-0
Aerated Powder Screening	“Prevention of Fire and Explosion in Dryers”, ISBN 0-85295-257-0
Air Over Layer (Powder Layer Screening)	“Prevention of Fire and Explosion in Dryers”, ISBN 0-85295-257-0
Chemical Process Evaluation (CPE) and High Pressure Lab (CPE/HP)	
Differential Scanning Calorimetry/ Differential Thermal Analysis	ASTM E537
RC1 Reaction Calorimetry	DSI SOP 351
Accelerating Rate Calorimetry	ASTM E1981
Oxidizing Solids Test (UN O.1)	UN Recommendations on Transportation of Dangerous Goods
Carius Tube Test	DSI Operating Instructions
Dewar Adiabatic Storage Test (UN H.2)	UN Recommendations on Transportation of Dangerous Goods
Dewar Heat Accumulation Test (UN H.4)	UN Recommendations on Transportation of Dangerous Goods
VSP (Vent Size Package)	DSI SOP 324
Burning Velocity Determination Testing	ISO 817 / PAS 24499
Analysis of Reformed Gas and Natural Gas by Gas Chromatography	ASTM D1945; ASTM 1946



Accredited Laboratory

A2LA has accredited

DEKRA SERVICES, INC.

Princeton, NJ

for technical competence in the field of

Chemical 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 3rd day of July 2025.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2303.01
Valid to June 30, 2027

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