



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**SHPP US LLC**  
**Columbus Laboratories**  
945 South Marr Road  
Columbus, IN 47201

Fulfills the requirements of

**ISO/IEC 17025:2017**

In the field of

**TESTING**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

A handwritten signature in black ink, appearing to be 'J. Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 21 January 2026

Certificate Number: L2200



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
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).

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**SHPP US LLC  
Columbus Laboratories**

945 South Marr Road  
Columbus, IN 47201  
Ross Kessler Jr ross.kesslerjr@sabic-hpp.com  
812 348 0211

**TESTING**

Valid to: **January 21, 2026**

Certificate Number: **L2200**

**Mechanical**

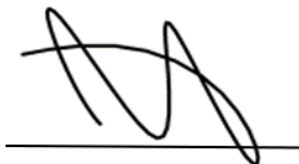
Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Izod Impact	ASTM D256 Method A ISO 180/A and 180/U	Polymer	Tinius Olsen T92 Impact
Moisture Analysis via Karl Fisher	ASTM D6869 ISO 15512	Polymer	Metrohm 860 KF / 917 Coulometer
Tensile Strength	ASTM D638 ISO 527-1 ISO 527-2	Polymer	Instron - MTS
Tensile Modulus	ASTM D638 ISO 527-1 ISO 527-2	Polymer	Instron - MTS
Tensile Elongation	ASTM D638 ISO 527-1 ISO 527-2	Polymer	MTS Extensometers
Flexural Strength	ASTM D790 Procedure A ASTM D790 Procedure B ISO 178	Polymer	Instron - MTS
Flexural Modulus	ASTM D790 Procedure A ASTM D790 Procedure B ISO 178	Polymer	Instron - MTS
Melt Point and Tg	ASTM D3418 ISO 11357-1 ISO 11357-2 ISO 11357-3 ASTM E794	Polymer	TA Waters DSC25

**Mechanical**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
TGA	ISO 11358 ASTM E1131 <sup>1</sup>	Polymer	TA Waters TGA55
Ash Content (Muffle Furnace)	ASTM D5630 Procedure B ISO 3451-1 Method A ISO 3451-4 Method A	Polymer	Fisher Scientific Muffle Furnace
Specific Gravity / Density	ASTM D792 Method A ISO 1183 Method A	Polymer	Ohaus Explorer
Shrinkage	ASTM D955 Mold Direction	Polymer	Axicon Mold Cavity
HDTUL	ASTM D648 ISO 75-1 ISO 75-2	Polymer	Tinius Olsen HDTM 303
Ash Content (Nitrogen Atmosphere)	ASTM D1603	Polymer	Lindberg Blue N2 Furnace
Melt Flow Rate	ASTM D1238 Procedure A ASTM D1238 Procedure B ISO 1133 Procedure A ISO 1133 Procedure B	Polymer	Tinius Olsen MP1200
Melt Volume Rate	ASTM D1238 Procedure A ASTM D1238 Procedure B ISO 1133 Procedure A ISO 1133 Procedure B	Polymer	Tinius Olsen MP1200
Surface and Volume Resistivity	ASTM D257	Polymer	Keithley DMM6400 / ProStat/Voyager
Water Absorption	ASTM D570	Polymer	Precision Water Bath
Color Coordinates CIE L*a*b* DE*	ASTM D2244	Polymer	Xrite Spectrophotometer
Melt Viscosity / Stability	ASTM D3835	Polymer	Instron - CEAST SR20
Charpy	ISO 179-1	Polymer	Tinius Olsen IT 504 Impact

Note:

1. Deviation in ASTM E 1131: The purge gas is not switched from inert to reactive during analysis.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. L2200.



Jason Stine, Vice President