



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

SGS North America Incorporated
135 Technology Drive
Christiansburg, VA 24073

Fulfils 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.

Jason Stine, Vice President

Expiry Date: 04 June 2026

Certificate Number: L1191-1



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

SGS North America Incorporated

135 Technology Drive
Christiansburg, VA 24073
Beth Caba
540-613-5648

TESTING

ISO/IEC 17025 Accreditation Granted: **04 June 2024**

Certificate Number: **L1191-1**

Certificate Expiry Date: **04 June 2026**

Chemical

| Specific Tests and/or Properties Measured | Specification, Standard, Method, or Test Technique | Items, Materials or Product Tested | Key Equipment or Technology |
|---|---|--|---|
| Material Identification | ASTM E 1252 6.2; 6.3; 6.4; 6.5.2; 6.5.3; 6.5.4; 7.2; 7.3; 7.4; 7.6; 7.7; 7.9; 8.1; 9 ID 880 ID 892 ID893 ID894 ID 898 | Liquids, solids vapors, polymers | Fourier Transform Infrared Spectroscopy (FTIR) Transmission, ATR, Microscope |
| Molecular Weight Monitoring | ASTM D2857 ISO 1628-1 ASTM D4603 | Plastics, polymers, resins | Dilute Solution Viscometry (IV) Capillary viscometers |
| Elemental Content | ASTM D1976 ID 1760 ID1775 ID 45684 | Plastics, polymers, rubber, paints, pigments | Inductively Coupled Plasma (ICP) Optical emission spectrometry (OES) |
| Assay for Purity | USP-NF - Benzalkonium Chloride Solution NF Monograph (Assay) ID 30816 | Benzalkonium Chloride | Titration Liquid Chromatography (HPLC) |
| Moisture Content | ASTM D6869 ID 1025 | Plastics, polymers, resins, rubber | Karl Fischer Oven Method |
| Moisture Content | ASTM E1064 ID 6521 | Liquids | Karl Fischer Coulometric Titration |

This Scope of Accreditation, version 012, was last updated on: 15 January 2026 and is valid only when accompanied by the Certificate.

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Chemical

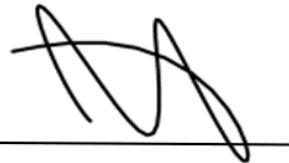
| Specific Tests and/or Properties Measured | Specification, Standard, Method, or Test Technique | Items, Materials or Product Tested | Key Equipment or Technology |
|--|--|---|---|
| Specific Gravity (Density) | ASTM D792 ID 926 | Plastics, polymers, resins, rubber, paints, pigments, adhesives, sealants, coatings | Density by displacement kit, |
| Specific Gravity (Density) | ASTM D1505 Method C ID 1009 | Plastics, polymers, resins, rubber, paints, pigments, adhesives, sealants, coatings | Density by gradient column |
| Screening for Leachable Organic Compounds | ID 3177 | Plastics, polymers, resins | Liquid Chromatography (HPLC) with Photodiode array detector (PDA) and Evaporative Light Scattering detector (ELSD) |
| Screening for Leachable Organic Compounds | ID 3216 | Plastics, polymers, resins | Gas Chromatography (GC) with Mass Spectrometry (MS) |
| Residual Lactide, Glycolide, Caprolactone Monomer | ID 1100 | Plastics, polymers | Gas Chromatography (GC) with Flame ionization detector (FID) |
| Molecular Weight Distribution | ID 37605 | Plastics, polymers, resins, paints, pigments, rubber, adhesives, sealants, coatings | Size-Exclusion Chromatography (SEC/GPC) with Multi-angle light scattering detector (MALS), Refractive index detector (RI) |
| Melting and Crystallization Temperatures, Enthalpy of Fusion and Crystallization, and Glass Transition Temperature | ASTM D3418 ID 917 | Solids, powders, liquids | Differential Scanning Calorimeter (DSC) |
| Microscopic Imaging with Dimensional Morphology Surface Analysis for Elemental Composition | ID 52642 | Solids | Scanning Electron Microscopy Energy Dispersive X-ray Spectroscopy (SEM-EDS) |
| Ash (Inorganic) Content | ASTM D5630 ID 934 | Solid, powder, polymers, plastics | Muffle Furnace |

Mechanical

| Specific Tests and/or Properties Measured | Specification, Standard, Method, or Test Technique | Items, Materials or Product Tested | Key Equipment or Technology |
|--|--|------------------------------------|---------------------------------|
| Tensile and Flexural Strength, Stress, Strain, and Modulus | ASTM D638 ASTM D790 ID 941 ID 939 | Plastics, polymers, coatings | Mechanical Testing System (MTS) |
| Izod & Charpy Impact Testing | ASTM D256 ASTM D6110 ASTM D4812 ISO 180 ID 45902 | Plastics, polymers | Pendulum Impact Tester |

Note:

1. This laboratory offers commercial testing service.



Jason Stine, Vice President

