



SCOPE OF ACCREDITATION TO ISO/IEC 17043:2010

ASTM INTERNATIONAL
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PROFICIENCY TESTING PROVIDER

Valid To: May 31, 2025

Certificate Number: 4209.01

In recognition of the successful completion of the A2LA evaluation process, this proficiency testing provider has been found to meet ISO/IEC 17043:2010, “Conformity Assessment-General Requirements for Proficiency Testing”. Accreditation is granted to this provider to provide proficiency testing samples in the following programs:

<u>PROGRAM</u>	<u>ANALYTES MEASURED¹</u>
<u>Automatic Lubricant Additives</u>	
D664	Acid Number - Total
D4628, D4951, D5185	Additive Elements
D482	Ash
D874	Ash Sulfated
D2896, D4739	Base Number
D4052	Density
D92, D93	Flash Point
D5291	Nitrogen
D1552	Sulfur Content
D445	Viscosity, Kinematic
D6304	Water by KF
<u>Automatic Transmission Fluid</u>	
D974	Acidity
D664	Acid Number - Total
D4951, D5185	Additive Elements
D287	API Gravity
D2896, D4739	Base Number
D1500	Color
D130	Copper Corrosion
D1298, D4052	Density
D93, D92	Flash Point
D6082, D892	Foaming
D665	Rust Prevention
D445	Viscosity Kinematic
D2983	Viscosity, Low Temperature

<u>PROGRAM</u>	<u>ANALYTES MEASURED¹</u>
<u>Base Oil</u>	
D664	Acid Number
D611	Aniline Point
D482	Ash Content
D189, D524	Carbon Residue
D2007, D7419	Clay-Gel Absorption
D1500, D6045	Color
D130	Copper Strip
D1298, D4052	Density
D2887, D6352, D7500	Distillation
D5800, D6375	Evaporation Loss
D92, D93	Flash Point
D5762	Nitrogen by Boat Inlet
D97, D5950, D5949, D6749	Pour Point
D1218, D1747	Refractive Index
D2622, D4294, D5453	Sulfur
D5293	Viscosity/Cold Crank Simulator
D445, D2270, D7042	Viscosity, Kinematic
D6417	Volatility
D6304, D1401	Water
<u>Biodiesel</u>	
D664, D974	Acidity
D482, D874	Ash
D4530, D189	Carbon Residue
D2500, D5771, D5773, D7397	Cloud Point
D6371	Cold Filter Plugging Point
D130	Corrosion
D1298, D4052	Density
D1160	Distillation
EN14538, D5185	FAME: Ca, Mg, Na, K by ICP
EN14103	FAME: Linolenic Methyl Ester
EN14110	FAME: Methanol Content
EN14112	FAME: Oxidation Stability
EN15751	FAME: Oxidation Stability
D7501	Filtration, Cold Soak (CSFT)
D93, D3828	Flash Point
D6584	Glycerin
D6079, D7688	Lubricity
D7321	Particulate Contamination
D4951	Phosphorus
D6428, D5453, D7039	Sulfur
D6468	Thermal Stability
D445, D2270, D7042	Viscosity, Kinematic
D2709	Water and Sediment
D6304, E203	Water by KF

<u>PROGRAM</u>	<u>ANALYTES MEASURED¹</u>
<u>Cetane</u>	
D613	Cetane Number
D6890	Derived Cetane Number by Combustion in a Constant Volume Chamber
D7170	Derived Cetane Number – Fixed Range Injection Period, Constant Volume Combustion Chamber Method
D7668	Derived Cetane Number Using Constant Volume Combustion Chamber Method
D1298, D4052	Density, Digital
D86	Distillation
D93	Flash Point
D1319	Hydrocarbon Type
D8183	Indicated Cetane Number
D2622, D5453, D7039	Sulfur by WDXRF
D445	Viscosity, Kinematic
<u>Crude Oil</u>	
D664, D8045	Acid Number - Total
D6560	Asphaltenes
D1298, D5002, D287	Density, Relative Density or API Gravity
D7169	High Temperature Simulated Distillation
D5708, D5863	Metals, (Vanadium, Nickel, Iron)
D4530	Micro Carbon Residue
D4629, D5762	Nitrogen, Total
D4929, D8150	Organic Chloride
D97, D5853	Pour Point
D323, D5191, D6377	Reid Vapor Pressure
D3230, D6470	Salt
D473, D4807	Sediment
D2622, D4294	Sulfur
D445, D7042	Viscosity, Kinematic
D4006, D4928, D4377, D4007	Water
<u>Diesel Fuel</u>	
D974, D664	Acid and Base Number
D482	Ash
D5291	Carbon, Hydrogen and Nitrogen
D189, D524, D4530	Carbon Residue
D2500, D5771, D5772, D5773, D7689	Cloud Point
D976, D4737	Cetane Index
D1500, D6045	Color
D6371	Cold Filter Plugging Point
D130	Copper Corrosion
D1298, D4052, D7777	Density
D6890, D7094, D7170	Derived Cetane Number
D86, D2887, D7345	Distillation

<u>PROGRAM</u>	<u>ANALYTES MEASURED¹</u>
D8110	Elemental Analysis
D2624	Electrical Conductivity
D93, D3828, D6450	Flash Point
D240	Heat Content
D6468	High Temp Stability
D1319, D5186, D6591	Hydrocarbon Type
D8183	Indicated Cetane Number
D6079, D7688	Lubricity (HFRR)
D4629, D5762	Nitrogen
D7346	No Flow Point
D7545	Oxidation Stability
D6217	Particulate Contamination by Filtration
D97, D5949, D5950, D6749	Pour Point
D2622, D4294, D5453, D7039, D7220	Sulfur Content
D445, D7042	Viscosity, Kinematic
D1796, D2709	Water and Sediment
D6304	Water by KF
<u>Engine Oil Lubricants</u>	
D6278	Shear Stability
D664, D974	Acid Number
D4628, D4927, D4951, D5185, D6443, D6481	Additive Elements
D482	Ash
D874	Ash Sulfated
D2896, D4739	Base Number
D1298, D4052	Density
D5800	Evaporating Loss
D92, D93	Flash Point
D5481	HTHS Viscosity
D3228, D4629, D5291, D5762	Nitrogen
D6749, D97, D5949, D5950	Pour Point
D94	Saponification Number
D129, D2622, D5453	Sulfur Content
D445, D7042, D7279	Viscosity, Kinematic
D4741	Viscosity, Tapered Plug
D4683	Viscosity, Tapered Bearing
D4684, D5133, D5293	Viscosity, Low Temperature
D6417	Volatility
D6304	Water
D1744	Water Content
D1500, D6045 (D1500)	Color
D6375	Evaporation Loss by TGA Noack Method
D7346	Pour Point, No Flow Point

<u>PROGRAM</u>	<u>ANALYTES MEASURED¹</u>
<u>Engine Coolants</u>	
D1122	Specific Gravity by Hydrometer
D1121	Reserve Alkalinity
D6130	Silicon and Other Elements
D1177, D6660	Freezing Point
D3321	Field Test Determination of Freezing Point
D1123, E203	Water by Karl Fischer-Method A: Manual; Method B: Automatic
D1384	Corrosion Test (Copper, Solder, Brass, Steel, Cast Iron, Aluminum)
D1287	pH
D1881	Foam Tendencies-Foam volume at 5 minutes; Break time appearance of Eye
D4921	Foaming Tendencies
D3634	Trace Chloride
D5931	Density by Digital Density Meter
D1119	Percent Ash Content
D6129	Silicon by AAS
D1120	Boiling Point
D4340	Corrosion of Cast Aluminum Alloys
D5827	Ion Chromatography
D7304	Denatonium Ion
<u>Fuel Ethanol</u>	
D1613, D7795	Acidity
D1688 per D4806	Copper Content
D5501	Ethanol/Methanol
D7319, D7328	Inorganic Chloride
D6423	pH
D381	Solvent Washed Gum
D4052	Specific Gravity
D7319, D7328	Sulfate Content
D5453, D7039	Sulfur
E203, E1064, D7923	Water
<u>Fuel Oil No. 6</u>	
D664	Acid Number
D5184	Aluminum and Silicon
D287	API Gravity
D482	Ash
D6560	Asphaltenes
D189, D4530, D524	Carbon Residue
D1298, D4052	Density
D93	Flash Point
D7060	Flocculation Ration and Peptizing Power
D240	Heat Content
D5291	Hydrogen

<u>PROGRAM</u>	<u>ANALYTES MEASURED¹</u>
D3279, D7061	Insolubles
D5185	Metals/Wear Contaminants
D3228, D4629, D5762	Nitrogen
D97, D5853, D5950	Pour Point
D473, D4870	Sediment
D4740	The Spot Test
D7112, D7157	Stability and Compatibility
D2622, D4294	Sulfur Content
D1548, D5708, D5863	Vanadium, Nickel, Iron, Sodium
D445, D7042	Viscosity, Kinematic
D1796	Water and Sediment
D95	Water by Distillation
D6304	Water by Coulometric KF
<u>Gear Oil</u>	
D4951, D5185	Additive Elements
D287	API Gravity
D874	Ash Sulfated
D130	Copper Corrosion
D92, D93	Flash Point
D97, D5949, D5950	Pour Point
D4294, D6481	Sulfur Content
D445	Viscosity, Kinematic
D2983	Viscosity, Low Temperature
<u>General Gas Oil</u>	
D664	Acid Number
D611	Aniline Point
D482	Ash
D1159	Bromine Number
D1500, D6045	Color
D4530, D189	CCR - Carbon Residue
D4052, D287, D1298	Density/API
D1160, D2887, D6352, D7169	Distillation
D93	Flash Point
D5863, D5708	Metals, V, Ni, Fe, Na
D97, D5950, D5853	Pour Point
D2622, D4294,	Sulfur
D5762	Total Nitrogen
D4629	Trace Nitrogen
D445	Viscosity, Kinematic @ 100°C
<u>Hydraulic Fluids & Oils</u>	
D664, D974	Acid Number
D3427	Air Release
D2896	Base Number
D130	Cu+ Corrosion
D4052	Density

<u>PROGRAM</u>	<u>ANALYTES MEASURED¹</u>
D5185, D4951	Elements by ICP
D92	Flash Point
D892	Foaming Characteristics
D2272	Oxidation Stability
D5949	Pour Point
D665	Rust Prevention
D2619	Stability, Hydrolytic
D445	Viscosity, Kinematic
D2070	Thermal Stability
D1401	Water Separability
D97, D5950	Pour Point
<u>Industrial Gear Oil</u>	
D2711	Demulsibility
D92, D93	Flash Point
D2783	4-Ball EP
D4172	4-Ball Wear
D3233	Pin and V-block
D97	Pour Point
D665	Rust Preventions
D2782	Timken EP
D445	Viscosity, Kinematic
D1401	Water Separability
D130	Cu+ Corrosion
<u>In-Service Oil Monitoring Hydraulic Fluids & Oils</u>	
D664, D974	Acid Number
D974, D2896, D4739	Base Number
D92	Flash Point
D2982, D4291	Glycol Detection
D5185, D6595	Metal/Wear Contaminants
D7647	Particle Count
D445	Viscosity, Kinematic
D1744, D6304	Water by KF
<u>In-Service Diesel Lubricating Oil Monitoring</u>	
D664, D8045	Acid Number
D2896, D4739	Base Number
D7689	Cloud Point
D92, D93, D3828	Flash Point
D3524, D7593	Fuel Dilution
D2982, D4291	Glycol
D7279	Houillon Kinematic Viscosity
D893, D4055	Insolubles
D5185, D6595	Metal/Wear Contaminants
D7624	Nitration, FT-IR
D7214, D7414	Oxidation, FT-IR

<u>PROGRAM</u>	<u>ANALYTES MEASURED¹</u>
D7412	Phosphate, FT-IR, FT-IR Soot Loading, Water Contamination
FT-IR	Soot Loading, Water Contamination
D7415	Sulfate, FT-IR
D445, D7042	Viscosity, Kinematic
D2270	Viscosity Index
D6304, D1744	"Crackle Test", Water Content
<u>Insulated Fluid Quality</u>	
D664, D974	Acid Number
D611	Aniline Point
D1500	Color
D1298, D4052	Density
D877, D1816	Dielectric
D92, D93	Flash Point
D5837	Furans
D971	Interfacial Tension
D2668, D4768	Oxidation Inhibitor
D2112	Oxidation Stability
D6786	Particle Count
D924	Power Factor (25°C and 100°C)
D97, D5950, D6749	Pour Point
D1169	Resistivity
D1275	Sulfur Corrosive
D7151	Trace Metals
D445	Viscosity, Kinematic @ 40°C
D1533, D6304	Water Content
<u>Jet Fuel (Aviation Turbine Fuel)</u>	
D3242	Acidity
D5001	BOCLE Lubricity
D976	Calculated Cetane Index
D156, D6045	Color
D3338, D4529, D4809	Combustion, Net Heat
D130	Copper Corrosion
D1298, D4052	Density
D86, D2887, D7345	Distillation
D2624	Electrical Conductivity
D56, D93, D3828	Flash Point
D2386, D5972, D7153, D7154	Freeze Point
D5006	Fuel System Icing Inhibitors (FSII)
D381, IP540	Gum
D1319, D5186, D6379, D8267	Hydrocarbon Type
D3701, D3343	Hydrogen Content
D3227	Mercaptan Sulfur
D1840	Naphthalenes

<u>PROGRAM</u>	<u>ANALYTES MEASURED¹</u>
D1322	Smoke Point
D2622, D4294, D5453, D7039	Sulfur Content
D3241	Thermal Stability
D445, D7042, D7945	Viscosity, Kinematic
D3948, D7224	Water Separation
<u>Jet Military Fuel F24</u>	
D3242	Acidity
D5001	BOCLE Lubricity
D976, D4737	Calculated Cetane Index
D130	Copper Strip Corrosion
D1298, D4052	Density, or API Gravity
D86, D2887, D7345	Distillation
D4952	Doctor Test
D2624	Electrical Conductivity
D93, D3828, D56	Flash Point
D4176	Free Water Particulate Contamination
D2386, D5972, D7153, D7154	Freezing Point
D5006	Fuel Systems Icing Inhibitor (Ether Type)
D381	Gum Content in Fuels by Jet Evaporation
D1319	Hydrocarbon Types
D3701, D3343, D7171	Hydrogen Content
D445, D7042	Kinematic Viscosity at -20°C
D1840	Naphthalenes Hydrocarbons
D3338, D4809, D4529	Net Heat of Combustion, MJ/kg BTU/lb
D2276, D5452	Particulate Contaminant
D156, D6045	Saybolt Color of Petroleum Products
D1322	Smoke Point
D3227	Sulfur, Mercaptan
D129, D1266, D2622, D3120, D4294, D5453, D7039	Sulfur, Total Percent
D3241	Thermal Oxidation Stability
D1094	Water Reaction, Interface Rating
D3948, D7224	Water Separation Index
<u>Lubricating Grease</u>	
D217, D1403, D7342	Cone Penetration (¼ & ½ scale)
D4048	Copper Corrosion
D1743	Corrosion Preventative Properties
D566, D2265	Dropping Point (Wide temperature range)
D6138	Dynamic Rust Test (Emcor)
D972	Evaporation Loss
D2596	Extreme Pressure Prop. (Timken, 4-Ball)
D4170	Fretting Wear Protection
D3527	High Temp Life Performance
D4290	Leakage Tendencies
D2509	Load Carry Capacity
D1742, D6184	Oil Separations

<u>PROGRAM</u>	<u>ANALYTES MEASURED¹</u>
D5483	Oxidation Induction Time
D942	Oxidation Stability
D1831, D8022	Roll Stability
D4049	Water Spray
D1264	Water Washout
D2266, D4170	Wear, 4-Ball
<u>Motor Gasoline</u>	
D3606, D4053, D5580, D5769, D6277	Benzene, Toluene, C9, Aromatics
D130	Copper Corrosion
D1298, D4052	Density
D86, D7096, D7345	Distillation
D381	Gum
D1319, D5443, D6839, D8071	Hydrocarbon Type
D3237	Lead Content
D3227	Mercaptan Sulfur
D6550	Olefin Content
D525, D7525	Oxidation Stability
D5599, D5845, D4815, D7754	Oxygenates
D3231	Phosphorus Content
D2622, D5453, D7039	Sulfur Content
D5188	Vapor/Liquid Ratio
D5191, D6378	Vapor Pressure
<u>Naphtha</u>	
D1159	Bromine Number
D5194, D5808	Chloride in Aromatic Hydrocarbons
D6045	Color
D130	Copper Strip Corrosion
D1298, D4052	Density, API Gravity
D5134	Detailed Hydrocarbon Analysis
D86	Distillation
D8110	Elemental Analysis
D1319, D6839, D8071	Hydrocarbon Types
D6729, D6730	Individual Components by GC
D3227	Mercaptan Sulfur
D4629	Nitrogen, Trace
D5443	Aromatic Hydrocarbons Type
D2887	Simulated Distillation
D2622, D4294, D5453, D7039	Sulfur, Total Percent
D5191	Vapor Pressure
<u>Petroleum Wax</u>	
D156, D6045, D1500, D2008	Color
D938	Congealing Point
D1298, D4052	Density
D92	Flash Point
D87, D127	Melting Point

<u>PROGRAM</u>	<u>ANALYTES MEASURED¹</u>
D1321	Needle Penetration @ 25 and 40°C
D721	Oil Content
D445	Viscosity, Kinematic @ 100°C
D1833	Odor
D3235	Solvent Extractables
<u>Polypropylene</u>	
D6290	Color Determination of Plastic Pellets: Yellowness Index
ISO 179 -1	Charpy Impact Resistance (Notched Impact)
D648	Deflection Temperature Under Load
D790, ISO 178	Flexural Properties of Plastics
D1238	Flow Rates of Thermoplastics by Extrusion Plastometer
D256	Izod Impact Resistance (Notched Specimens)
ISO 1133	Melt-Flow Rate
D638, ISO 572-2	Tensile Properties of Plastics
D5492, ISO 16152	Xylene Solubles
ISO 75-1&2	Temperature of Deflection Under Load
<u>Reformulated Gasoline</u>	
D287	API Gravity
D3606, D5580, D5769, D6277	Benzene, Toulene, C ₉ Plus Aromatics
D1298, D4052	Density
D86, D7345	Distillation
D381	Gum
D1319, D5443, D6839, D8071	Hydrocarbon Type
D6550	Olefin Content
D4815, D5599, D5845	Oxygenates
D2622, D5453, D7039	Sulfur Content
D5188	Vapor/Liquid Ratio
D5191, D6378	Vapor Pressure
<u>Thermal Analyses of Plastics</u>	
D3418	Polymers by Differential Scanning Calorimetry (DSC)
D3895	Scanning Calorimetry (OIT by DSC)
D3850, E1131	Thermogravametric Method (TGA)
<u>Turbine Oil</u>	
D974	Acidity
D3427	Air Release
D130	Copper Corrosion
D2711	Demulsibility
D92, D93	Flash Point
D892	Foam
D4172	4-Ball Wear
D2272	Oxidation Stability

<u>PROGRAM</u>	<u>ANALYTES MEASURED¹</u>
D97, D5949, D5950, D7346	Pour Point
D665	Rust Prevention
D445	Viscosity, Kinematic
D1401	Water Separability
D6304	Water Content
<u>Ultra-Low Sulfur Diesel Fuel</u>	
D2622	Sulfur in Petroleum Products by WDXRF
D5453	Total Sulfur in Light Hydrocarbons, Motor Fuels and Oils by Ultraviolet Fluorescence
D7039	Sulfur in Gasoline and Diesel Fuel by Monochromatic WDXRF
D7220	Test Method for Sulfur in Automotive, Heating, and Jet Fuels by Monochromatic Energy Dispersive X-ray Fluorescence Spectrometry
<u>Diesel Exhaust Fluids</u>	
ISO 3675, ISO 12185	Density
ISO 22241-2 Annex B/C	Urea Content Refractive Index
ISO 22241-2	Urea Content (Total Nitrogen)
ISO 22241-2 Annex C	Refractive Index at 20c
ISO 22241-2 Annex D	Alkalinity as NH3
ISO 22241-2 Annex E	Biuret Content
ISO 22241-2 Annex F	Aldehydes Content
ISO 22241-2 Annex G	Insoluble Matter Content
ISO 22241-2 Annex H	Phosphate (PO4)
ISO 22241-2 Annex I	Ca, Fe, Cu, Zn, Cr, Ni, Al, Mg, Na, K
ISO 22241-2 Annex J	Identity (FTIR)
D7821	Urea Concentration
<u>Aromatic Hydrocarbons</u>	
Mixed Xylene Test: D848	Acid Wash Color
D847	Acidity
D4534, D6229, D7360	Benzene
D1492, D5776	Bromine Index
D3505-12el	Test Method for Density or Relative Density of Pure Liquid Chemicals
D8005	Test Method for Color of Clear Liquids (Platinum-Cobalt Scale)
D5194, D7359, D7457, D7536, D5808	Chloride
D1209, D5386	Color
D849	Copper Corrosion
D3505, D4052	Density
D6563, D2360, D7504, D5917	GC p-Xylene ONLY:
D850	Distillation
D5917, D3798, D7504	GC
D6069, D4629, D7184	Nitrogen
D6212, D6428, D6313, D7183	Sulfur Benzene ONLY:
D4492, D5713, D7504	GC
D4735, D7011	Thiophene
D6304, E1064, D7375	Water

<u>PROGRAM</u>	<u>ANALYTES MEASURED¹</u>
<u>Dissolved Gas Analysis</u>	
D1533	Standard Test Method for Water in Insulating Liquids by Coulometric Karl Fischer Titration
IEC 60567	Free Dissolved Gases
D3612	Standard Test Method of Analysis of Gases Dissolved in Electrical Insulating Oil by Gas Chromatography
<u>Plain Carbon & Low- Alloy Steel</u>	
E350	Standard Test Method for Chemical Analysis of Carbon Steel, Low Alloy Steel, Silicon Electrical Steel, Ingot Iron, and Wrought Iron ¹
E415	Standard Test Method for Analysis of Carbon and Low- Alloy Steel by Spark Atomic Emission Spectrometry
E1019	Standard Test Methods for Determination of Carbon, Sulfur, Nitrogen, and Oxygen in Steel, Iron, Nickel, and Cobalt Alloys by Various Combustion and Fusion Techniques
E1085	Standard Test Method for Analysis of Low- Alloy Steels by X-Ray Fluorescence Spectrometry
<u>Stainless Steel</u>	
E353	Test Methods for Chemical Analysis of Stainless, Heat-Resisting, Maraging, and Other Similar Chromium-Nickel Iron Alloys
E572	Test Methods for X-Ray Emission Spectrometric Analysis of Stainless Steel
E1019	Test Methods Determination of Carbon, Sulfur, Nitrogen, and Oxygen in Steel and in Iron, Nickel, and Cobalt Alloys
E1086	Method for Optical Emission Vacuum Spectrometric Analysis of Stainless Steel by the Point-to-Plane Excitation Technique
<u>Gold</u>	
E1335	Standard Test Methods for Determination of Gold in Bullion by Fire Assay Cupellation Analysis
<u>Aluminum</u>	
E607	Standard Test Methods for Optical Emission Spectrometric Analysis of Aluminum and Aluminum Alloys by the Point-to-Plane Technique, Nitrogen Atmosphere
E1251	Standard Test Method for Analysis of Aluminum and Aluminum Alloys by Spark Atomic Emission Spectrometry
<u>Polyethylene</u>	
D1238	Test Method for Flow Rates of Thermoplastics by Extrusion Plastometer (both Volumetric and Gravimetric)

<u>PROGRAM</u>	<u>ANALYTES MEASURED¹</u>
D2839	Practice for Use of a Melt Index Strand for Determining Density of Polyethylene (Melt Index Strand Sample Preparation)
D1505	Test Method for Density of Plastics by the Density- Gradient Technique (Column Density Using Plaques Prepared Using D1928 Procedure C)
D792	Test Methods for Density and Specific Gravity (Relative Density) by Displacement; Shall Use Plaques Prepared using D1298 Procedure C or D4703, Annex 1, Procedure C
D4883	Test Method for Density by the Ultrasound Technique; Shall Use Plaques Prepared Using D1298 Procedure C or D4703, Annex 1, Procedure C
D5630	Test Method for Ash Content in Thermoplastics
D6290	Test Method for Color Determination of Plastic Pellets
<u>Multiplastics</u>	
D638	Test Method for Tensile Properties of Plastics
ISO0527 Part 2	Test Method for Tensile Properties of Plastics
D790	Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
ISO0178	Determination of Flexural Properties of Rigid Plastics
D256	Test Methods for Determination of the Pendulum Impact Resistance of Notched Specimens of Plastics
ISO179-1	Test for Charpy Impact Resistance (Notched Impact)
ISO179-2	Test for Charpy Impact Properties (Instrumental Impact)
ISO180	Determination of Izod Impact Strength of Rigid Materials
D648	Test Method for Deflection Temperature of Plastics Under Flexural Load
ISO75 Part 2	Determination of Temperature of Deflection Under Load
<u>Flammability</u>	
D3801	Test for Measuring the Comparative Burning Characteristics of Solid Plastics in a Vertical Position
UL 94V	Tests for Flammability of Plastic Materials for Parts in Devices and Appliances Section 8-20 mm Vertical Burning Test for V0, V1, V2
IEC 60695-11-10	Fire Hazard Testing Part- 11-10 Test Flames 50W Horizontal and Vertical Flame Test Method B Vertical Burning Test

<u>PROGRAM</u>	<u>ANALYTES MEASURED¹</u>
<u>Elemental Analyses of Thermoplastics</u>	
ASTM D6247	Elemental Content by XRF, Alternate WDXRF Method, Alternate EDXRF Method
<u>Plastic Film Testing</u>	
D1709	Drop Impact Strength
D6988	Film Thickness
D2457	Gloss
D1003	Haze
D1922	Propagation Tear Resistance
D1894	Static
D1004	Tear Resistance
D882	Tensile
<u>Knit Fabrics</u>	
D2594	Stretch Properties of Knitted Fabrics Having Low Powder
D3774	Width of Textile Fabric
D3776	Mass Per Unit Area (Weight) of Fabric
D3786	Bursting Strength of Textiles Fabrics- Diaphragm Bursting Strength Tester Method
D8007	Standard Test Method for Wale and Course Count of Weft Knitted Fabrics
AATCC 135	Dimensional Changes of Fabrics after Home Laundering
AATCC 179	Skewness Change in Fabric and Garment Twist Resulting from Automatic Home Laundering
<u>Woven Fabrics</u>	
D737	Air Permeability of Textiles Fabrics
D1424	Tearing Strength of Fabrics by Falling-Pendulum Type (Elmendorf) Apparatus
D2261	Tearing System of Fabrics by the Tongue (Single Rip) Procedure
D3775	Fabric Count of Woven Fabric
D3776	Mass Per Unit Area (Weight) of Fabric
D5034	Breaking Strength and Elongation of Textile Fabrics (Grab Test)
D5035	Breaking Strength and Elongation of Textile Fabrics (Strip Method)
D5587	Tearing Strength of Textiles Fabrics (Trapezoid Procedure)
<u>Octane Testing</u>	
D2699	Research Octane Number
D2700	Motor Octane Number

¹Assigned values and associated uncertainties determined via consensus values.



Accredited Proficiency Testing Provider

A2LA has accredited

ASTM INTERNATIONAL West Conshohocken, PA

This accreditation covers the specific proficiency testing schemes listed on the agreed upon Scope of Accreditation.

This provider is accredited in accordance with the recognized International Standard ISO/IEC 17043: 2010 *Conformity assessment - General requirements for proficiency testing*. This accreditation demonstrates technical competence for a defined scope and the operation of a quality management system.



Presented this 27th day of August 2021.

A blue ink signature of a person, likely a representative of the Accreditation Council.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4209.01
Valid to May 31, 2025

For the proficiency testing schemes to which this accreditation applies, please refer to the provider's Scope of Accreditation.