Materials Science Chain of Custody

EMSL Order Number / Lab Use Only

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: materialslab@emsl.com

If Bill-To is the same as Report-To, leave this section blank. Third-party billing requires written authorization.

Customer Information		Billing Information	
EMSL Customer ID:		Billing ID:	
Company Name:		Company Name:	
Contact Name:		Billing Contact:	
Street Address:		Street Address:	
City, State, Zip:	Country:	City, State, Zip:	Country:
Phone:		Phone:	
Email(s) for Report:		Email(s) for Invoice:	

Project Information	Project Name/Number:	Purchase Order:
EMSL LIMS Project ID: (If applicable, EMSL will provide)	US State where samples collected:	State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	Sampled By Signature:	No. of Samples in Shipment

Turn-Around-Time (TAT)

☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day ☐ 1 Week ☐ 2 Week

*Call Lab to confirm before shipping samples faster than 1 Week (EOD) TAT. All sample results issued End of Business Day (EOD). Days include Mon-Fri **only**, Weekends or Holidays not included. If no TAT selected, samples will be processed on a 2 Week (EOD).*

Particle Sizing
- ☐ Dynamic Light Scattering
- ☐ Filter Pore Size Analysis
- ☐ Isoelectric Point
- ☐ Microscopy (MS029)
- ☐ Mechanical Sieve / ASTM D6913 (MS028)
- ☐ Mechanical Sieve w/ Hydrometry / ASTM D6913
- ☐ Sonic Sieve (MS030)
- ☐ Zeta Potential

Chemical Testing:
- ☐ Anions / Ion Chromatography (MS054)
- ☐ Fourier Transform Infrared Spectroscopy (FTIR)
- ☐ GD-OES (MS043)
- ☐ Metals / ICP-OES (MS041)
- ☐ Metals / ICP-MS (MS041)
- ☐ Urine Stain/Urea (MS085)
- ☐ X-Ray Diffractometry (XRD) (MS079)
- ☐ X-Ray Fluorescence (XRF) (MS044)

Physical Testing
- ☐ Abrasion
- ☐ Coefficient of Friction / ASTM C1028
- ☐ Compression / ASTM D695/D395 (MS014)
- ☐ Flexure (MS016)
- ☐ Hardness / ASTM E18
- ☐ Oxygen Transmission Rate (OTR) (MS072)
- ☐ Tension/Tensile / ASTM E8/D628/D882/D412 (MS013)
- ☐ Torsion (MS017)
- ☐ Water Vapor Transmission Rate (WVTR) (MS071)

Petrographic Testing
- ☐ Full Petrographic Analysis (MS004)
- ☐ Soil Classification / ASTM D2487 (Mod) / OSHA ID-194 (MS061)
- ☐ Soil Density / ASTM D4189
- ☐ Soil Grain Size / ASTM D422 (Mod)
- ☐ Soil Grain Size w/ Hygrometry / ASTM D422
- ☐ Soil Liquid & Plastic Limits / ASTM D4318

Materials Identification:
- ☐ Advanced Material ID (MS003)
- ☐ Basic Material ID (MS024)
- ☐ Common Particle ID (MS022)
- ☐ Full Particle ID (MS023)

Combustion By-Products:
- ☐ Combustion By-Products Level 1 / ASTM D6602 (MS031)
- ☐ Combustion By-Products Level 2 / ASTM D6602 (MS032)
- ☐ Combustion By-Products Level 3 / ASTM D6602 (MS033)
- ☐ Combustion By-Products Level 4 / ASTM D6602 (MS034)
- ☐ ISO/RIA / Standard 6001 (MS047)
- ☐ NIOSH 5000/Carbon Black (MS002)
- ☐ NIOSH 5000/Carbon Black w/ Confirmation (MS051)
- ☐ Screening / ASTM D6602 (MS036)
- ☐ Source Confirmation / Soot Source ID (MS053)

MMVF's (Fibrous Glass, Etc.):
- ☐ MMVF Total Count / NIOSH 7400 (MS025/MSM201)
- ☐ MMVF with Asbestos / NIOSH 7400 Modified (MS026)
- ☐ German VDI-3491 / VDI 3492 (MS056)
- ☐ German VDI-3866 Part 5 / VDI 3491 (MS057)
- ☐ ISO 14966 (MS058)

Combustible Dust Testing
- ☐ Class II Dust Analysis (Kst, Pmax, (dP/dT)max, MEC, MIT, MIE, IS, ES) / OSHA ID201SG (MS012)
- ☐ Explosion Severity (Kst, Pmax, dP/dTmax)/ASTM E1226 (MS006)
- ☐ Go/No Go Testing / ASTM E1226 (MS005)
- ☐ Ignitability / EPA 1030 (MS077)
- ☐ Initial Analysis/Sample Characterization / ASTM E1226 (MS087)
- ☐ Layer Ignition Temperature (LIT) / ASTM E2021 (MS076)
- ☐ Minimum Explosion Concentration (MEC) / ASTM E1515 (MS010)
- ☐ Minimum Ignition Energy (MIE) / ASTM E2019 (MS009)
- ☐ Minimum Ignition Temperature (MIT) / ASTM E1419 (MS008)
- ☐ Resistivity (MS011)

Other Methods/Applications:
- ☐ BET Surface Area / ASTM B922 (MS083)
- ☐ Colorimetry (MS070)
- ☐ Condoms Compatibility / ASTM D-7661-18 (MS048)
- ☐ Explosive Residue / EPA 8330A/B
- ☐ Failure Analysis (MS019)
- ☐ Flash Point / ASTM D56 / ASTM D93 (MS020)
- ☐ Heat Value / ASTM E711/D240 (MS066)
- ☐ Gunshot Residue SEM (MS080)
- ☐ Gunshot Residue ICP (MS081)
- ☐ Magnetic Properties / B-H Hysteresis (MS049/MS050/MS042)
- ☐ Microplastics (MS084)
- ☐ Paint ID (MS068)
- ☐ Paint ID Multiple Layers w/ Mil Spec (MS069)
- ☐ Raman Microscopy
- ☐ RoHS
- ☐ SEM Imaging (MS082)
- ☐ Stain Identification
- ☐ Surface Tension / ASTM D1331
- ☐ Total Carbon (C) / Combustion
- ☐ Total Organic Carbon/Water (TOC)/SM-5301C (MS039)
- ☐ Total Organic Carbon/Soil (TOC)/SM-846/9060 (MS040)
- ☐ Total Sulfur (S) / Combustion
- ☐ Viscosity (Brookfield) (MS067)
- ☐ Zinc Whiskers

Thermal Analysis
- ☐ Thermo-Gravimetric Analysis (TGA) (MS073)
- ☐ Differential Scanning Calorimetry (DSC) (MS074)
- ☐ Dynamic Mechanical Analysis (DMA) (MS075)

Other Test/Method (Please specify below):

Enter Sample Information on Page 2

Special Instructions and/or Regulatory Requirements (Method, LOD, etc.)

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

☐ **AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety.
Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Materials Science Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: materialslab@emsl.com

Special Instructions and/or Regulatory Requirements (Method, LOD, etc.)

Date/Time Sampled	Sample Number	Location/Description	Test Requested	Comments

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - COC-30 Materials Science R10 08/18/2026

☐ **AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.