

SCOPE OF ACCREDITATION

CAMBRIDGE MATERIALS TESTING LIMITED Mississauga Division
6991 Millcreek Drive Unit 13
Mississauga, ON
L5N 6B9

Accredited Laboratory No. 447
(Conforms with requirements of CAN-P-4E (ISO/IEC 17025:2005))

CONTACT: Mr. Stephen Brown
TEL: (905) 812-3856
FAX: (905) 812-3866
EMAIL: stephenbrown@cambridgematerials.com

CLIENTS SERVED: Commercial any party

FIELDS OF TESTING: Chemical/Physical, Mechanical/Physical

ISSUED ON: 2010-07-20

VALID TO: 2014-05-13

ELASTOMERS AND PROTECTIVE AND OTHER COATINGS

Adhesives (Organic Resins) and Glues:

Adhesives

ASTM D1876 Test Method for Peel Resistance of Adhesives (T-Peel Test)
ASTM D3330 Test Method for Peel Adhesion of Pressure Sensitive Tape
ASTM D903 Test Method for Peel or Stripping Strength of Adhesive Bonds

Plastics; Resins and Rubbers:

Plastics

ASTM D1004	Test Method for Tear Resistance (Graves Tear) of Plastic Film and Sheeting
ASTM D1622	Test Method for Apparent Density of Rigid Cellular Plastics
ASTM D2584	Test Method for Ignition Loss of Cured Reinforced Resins
ASTM D3418	Test Method for Transition Temperatures of Polymers by Differential Scanning Calorimetry
ASTM D3826	Practice for Determining Degradation End Point in Degradable Polyethylene and Polypropylene Using a Tensile Test
ASTM D5208	Practice for Fluorescent Ultraviolet (UV) Exposure of Photodegradable Plastics
ASTM D5510	Practice for Heat Aging of Oxidatively Degradable Plastics
ASTM D570	Test Method for Water Absorption of Plastics
ASTM D618	Practice for Conditioning Plastics for Testing
ASTM D790	Test Methods for Flexural Properties of Un-reinforced and Reinforced Plastics and Electrical Insulating Materials
ASTM D792	Test Method for Density and Specific Gravity (Relative Density) of Plastics by Displacement
ASTM D882	Test Method for Tensile Properties of Thin Plastic Sheeting
ASTM E1131	Test Method for Compositional Analysis by Thermogravimetry
ASTM E1252	Practice for General Techniques for Obtaining Infrared Spectra for Qualitative Analysis
ASTM E1269	Test Method for Determining Specific Heat Capacity by Differential Scanning Calorimetry
ASTM E2009	Standard Test Method for Oxidation Onset Temperature of Hydrocarbons by Differential Scanning Calorimetry
ASTM G154	Practice for Operating Fluorescent Light Apparatus for UV Exposure of Nonmetallic Materials
GM 9077P	Test for Glass Content of Glass Reinforced Plastics
GM 9306P	Ash Content of Plastic Materials
ISO 11357-3	Plastics-Differential Scanning Calorimetry (DSC) - Part 3: Determination of Temperature and Enthalpy of Melting and Crystallization
ISO 1183 Method A	Plastics-Methods for Determining the Density and Relative Density of Non-Cellular Plastics
ISO 178	Plastics-Determination of Flexural Properties
ISO 291	Plastics-Standard Atmospheres for Conditioning and Testing
ISO 3451 Part 1	Plastics-Determination of Ash
ISO 62	Plastics-Determination of Water Absorption

Resins and Rubbers

ASTM D1056

	Specification for Flexible Cellular Materials - Sponge or Expanded Rubber
ASTM D2240	Test Method for Rubber Property - Durometer Hardness
ASTM D429 Method A	Test Methods for Rubber Property - Adhesion to Rigid Substrates

ENVIRONMENTAL AND OCCUPATIONAL HEALTH AND SAFETY

Environmental

Liquids

ASTM D5085	Test Method for Determination of Chloride, Nitrate, and Sulfate in Atmospheric Wet Deposition by Chemically Suppressed Ion Chromatography
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Solids

EPA Method 3050B	Acid Digestion of Sediments, Sludges, and Soils
EPA Method 3052	Microwave Assisted Acid Digestion of Siliceous and Organically Based Matrices
EPA Method 9045D	Soil and Waste pH

Water/Wastewater

EPA Method 7196A	Chromium, Hexavalent (Colorimetric)
EPA Method 9056A	Determination of Inorganic Anions by Ion Chromatography

Occupational Health and Safety:

Air Monitoring

ASTM D3464	Test Method for Average Velocity in a Duct Using a Thermal Anemometer
ASTM D4413	Test Method for Determination of Ethylene Oxide in Workplace Atmospheres (Charcoal Tube Methodology) (Sampling in accordance with ASTM D3686)
ASTM D4490	Practice for Measuring the Concentration of Toxic Gases or Vapors Using Detector Tubes
ASTM D4532	Test Method for Respirable Dust in Workplace Atmospheres
ASTM D4599	Practice for Measuring the Concentration of Toxic Gases or Vapors Using Length-of-Stain Dosimeters
ASTM D4856 Modified	Test Method for Determination of Sulfuric Acid Mist in the Workplace Atmosphere (Ion Chromatographic)

ASTM D7035	Test Method for Determination of Metals and Metalloids in Airborne Particulate Matter by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES)
ASTM D7049 Modified	Test Method for Metal Removal Fluid Aerosol in Workplace Atmospheres
AWS F1.1M	Method for Sampling Airborne Particulates Generated by Welding and Allied Processes
AWS F1.5M	Methods for Sampling and Analyzing Gases from Welding and Allied Processes (Ozone as per OSHA ID-214, Carbon Monoxide as per QTP 41M, Nitric Oxide as per OSHA ID 190, Nitrogen Dioxide as per OSHA ID 182)
NIOSH 0500 Modified	Particulates Not Otherwise Regulated, Total
NIOSH 0600 Modified	Particulates Not Otherwise Regulated, Respirable
NIOSH 1501	Hydrocarbons, Aromatic
NIOSH 7300	Elements by ICP (Nitric/Perchloric Acid Ashing)
NIOSH 7903	Acids, Inorganic
NIOSH 7906	Fluorides aerosol and gas, by IC
OSHA 7	Organic Vapours
OSHA ID-182	Nitrogen Dioxide in Workplace Atmospheres (Ion Chromatography)
OSHA ID-190	Nitric Oxide in Workplace Atmospheres
OSHA ID-214	Ozone in Workplace Atmospheres (Impregnated Glass Fiber Filter)
QTP 41M	Test Method for Carbon Monoxide in the Atmosphere (Continuous Measurement by Nondispersive Infrared Spectrometry)

Asbestos

EPA/600/R-93/116	Test Method for the Determination of Chrysotile Asbestos in Bulk Building Materials, by Stereomicroscopic Examination, Polarized Light Microscopy, and Gravimetry
Health Canada Method C-25	Determination of Bulk Chrysotile Asbestos by PLM in Consumer Products
NIOSH 9002	Chrysotile Asbestos (bulk) by PLM

Building Components

ASTM E1613	Determination of Lead by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES) Technique
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Water Quality:

Industrial Effluent

Refer to minor sub-heading: *Recycled Waters*

Process Waters

Refer to minor sub-heading: *Recycled Waters*

Recycled Waters

ASTM D1976 (Modified) listed under minor sub heading Household Products

ASTM D4327	Test Method for Anions in Water by Chemically Suppressed Ion Chromatography (Including, but not limited to samples prepared using QTP 25M)
ASTM D4691	Practice for Measuring Elements in Water by Flame Atomic Absorption Spectrophotometry
ASTM E70	Test Method for pH of Aqueous Solutions with the Glass Electrode
EPA Method 300.1	Determination of Inorganic Anions in Drinking Water by Ion Chromatography
EPA Method 5021 Modified	Qualitative Analysis of Volatile Organic Compounds in Soils and Other Solid Matrices Using Equilibrium Headspace and GC/FID

MARKETPLACE PRODUCTS-CONSUMER AND BUSINESS

Furniture and Consumer Articles:

Hazardous Products

CPSC-CH-C1001-09	Standard Operating Procedure for Determination of Phthalates
Health Canada Method C-02.2	Determination of Total Lead in Surface Coating Materials in Consumer Products
Health Canada Method C-02.3	Determination of Total Lead in Polyvinyl Chloride Products by Closed Vessel Microwave Digestion
Health Canada Method C-13	Determination of the pH of Consumer Products in Aqueous Solutions

Household Products (See also CHEM)

16 CFR Part 1303	Ban Of Lead-Containing Paint And Certain Consumer Products Bearing Lead-Containing Paint
16 CFR Part 1700	Requirements for the Special Packaging of Household Substances
ASTM D1976 Modified	Test Method for Elements in Water by Inductively Coupled Argon Plasma Atomic Emission Spectroscopy (Including, but not limited to samples prepared using QTP 25M)
ASTM F963	Standard Consumer Safety Specification for Toy Safety

	Only for: 4.3.5 Paint and Similar surface coating materials pertaining to Lead, Antimony, Arsenic, Barium, Cadmium, Chromium, Mercury, and Selenium
CPSC-CH-E1001-08	Standard Operating Procedure for Determining Total Lead (Pb) in Children s Metal Products (Including Children s Metal Jewelry)
CPSC-CH-E1002-08	Standard Operating Procedure for Determining Total Lead (Pb) in Non-Metal Children's Products
CPSC-CH-E1003-09	Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings
CSA Z76.1	Reclosable Child-Resistant Packages
Health Canada Method C-02.4	Determination of Total Lead in Metallic Consumer Products
Health Canada Method C-11.4	Determination of Benzene, Toluene, Ethylbenzene and Xylenes in Consumer Products by Gas Chromatography / Mass Spectrometry
Health Canada Method C-23	Determination of the Flame Projection and Flashback of Consumer Products Enclosed in Pressurized Containers
Health Canada Method C-29	Determination of Leakage in Child Resistant Containers
Health Canada Method C-34	Determination of Phthalates in Polyvinyl Chloride Consumer Products
ISO 8317	Child-resistant packaging - Requirements and testing procedures for reclosable packages

(Noise)

CSA Z107.56	Procedures for the Measurement of Occupational Noise Exposure
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(Toys)

16 CFR Part 1501	Method for Identifying Toys and Other Articles Intended for Use by Children under 3 Years of Age which Present Choking, Aspiration, or Ingestion Hazards Because of Small Parts
16 CFR Part 1511	Requirements for Pacifiers
BS EN 71-3	Safety of Toys - Part 3: Migration of Certain Elements

NON METALLIC MINERALS AND PRODUCTS

Ceramics; Clay and Clay Products:

(Ceramics; Clays; Bricks and Structural Tile; Refractory and Firebrick; and Porcelain Enamels)

ASTM D6349	Standard Test Method for Determination of Major and Minor Elements in Coal, Coke, and Solid Residues from
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Combustion of Coal and Coke by Inductively Coupled
Plasma - Atomic Emission Spectrometry

Petroleum Refinery Products: (Including asphalt materials; petrochemicals; fuels and lubricants)

Fuels and Lubricants

ASTM D5185	Test Method for Determination of Additive Elements, Wear Metals, and Contaminants in Used Lubricating Oils and Determination of Selected Elements in Base Oils by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES)
ASTM D92	Test Method for Flash and Fire Points by Cleveland Open Cup Tester
ASTM D93	Test Methods for Flash-Point by Pensky Martens Closed Cup Tester
ASTM E1858	Test Method for Determining Oxidation Induction Time of Hydrocarbons by Differential Scanning Calorimetry
ISO 4406	Hydraulic Fluid Power - Fluids - Method for coding the level of contamination by solid particles
ISO 4407	Hydraulic Fluid Power - Fluid Contamination - Determination of particulate contamination by the counting method using an optical microscope

Soil; Aggregates; Stone; Sand:

ASTM D6349 listed under Ceramics; Clay and Clay Products

WOOD PRODUCTS

Construction Materials: (Including for Furniture)

ASTM D2395 Method A	Test Method for Specific Gravity of Wood and Wood-Based Materials
ASTM D4495	Test Method for Impact Resistance of Poly (Vinyl Chloride) (PVC) Rigid Profiles by Means of a Falling Weight
ASTM F1679	Test Method for Using a Variable Incidence Tribometer (VIT)

Notes:

CAN-P-4E (ISO/IEC 17025): General Requirements for the Competence of Testing and Calibration Laboratories

Physical properties of plastic lumbers are evaluated according to ASTM D7031 "Standard Guide for Evaluating Mechanical and Physical Properties of Wood-Plastic Composite Products" and the results

interpreted according to ASTM D7032 "Standard Specification for Establishing Performance Ratings for Wood-Plastic Composite Deck Boards and Guardrail Systems (Guards or Handrails)"

S. Cross, Director, Conformity Assessment

Date: 2010-07-20

Number of Scope Listings: 99

SCC 1003-15/545

Partner File #0

Partner: None