

CLIMATIC CHAMBER TESTING SINCE 1999

Our business : Providing Results and Value
ISO 17025 Accredited



Micom Laboratories Inc. is established in Dorval, Quebec, since 1999. Micom offers a complete range of testing services for coatings, paints and electroplating. Micom specializes in the accelerated aging, physical and mechanical tests by using well-known standards, such as:

ASTM, ANSI, SAE, ISTA, ISO, IEC, MIL-STD

Our promise: Beyond testing, we will help you in selecting the right test methods and conditions to obtain meaningful results addressing your specific needs as well as help you finding cost effective solutions.

CLIMATE EXPOSURE:

- Climate chambers - humidity, temperature cycling
- -73°C to +150°C, 10 - 95% RH
- Sun exposure - ASTM G-155, G-154
- Salt spray - ASTM B-117, G-85
- Accelerated temperature aging
- Field failures laboratory simulations
- Thermal shocks
- High & low temperature tensile & compression tests
- Long term exposure for stability studies
- Computer data acquisition and control
- Custom testing

“AVAILABILITY,
CUSTOMIZABILITY;
SIMPLE SOLUTIONS
FOR A COMPLEX
WORLD”

WWW.MICOMLAB.COM

Serving a Wide Range of Industries

Micom offers climate chamber test services to a wide range of industries both in Canada and in the US.



ELECTRONIC: Smart, TM4, Belden, Bionx



AEROSPACE: Bombardier Aerospace, Zodiac Aerospace, Toray Composites Materials America



POLYMER: IPL, Soucy Group, Urethane Technology



INDUSTRIAL: Teknion, Venmar, Tafisa, GE Lumination



ENTERTAINMENT: Cirque du Soleil, Show Canada, Stageline



AUTOMOTIVE: Bombardier Recreational Products, Volvo Group, Consolidated Metco, Waterville TG



HEALTH SCIENCES: ArjoHuntley, CAE Healthcare



CONSUMER PRODUCTS: Artika, Anseco Group, Loblaw's



PHARMACEUTICAL: GSK Biologics, Genetech, Covidien, Stryker



FOOD: Kraft, Danone, Clif Bar



COATINGS: Rustguard

Recognized Testing Laboratory

Micom is a recognized source of laboratory testing by major business and organizations for material testing and accelerated aging. As such Micom is an ISO 17025 accredited laboratory. This accreditation is the equivalent to ISO 9001 with additional performance requirements.

ACCREDITED BY:

- Standards Council of Canada (ISO 17025)
- International Sate Transit Association ISTA
- World Health Organization WHO
- Scientific Equipment and Furniture Association (SEFA)

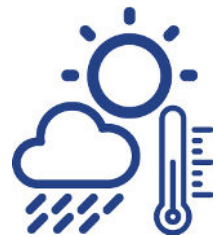
TESTING RECOGNIZED BY:

- Bombardier Recreational Products
- Bombardier Aerospace
- Bombardier Mass Transit
- Transport Canada
- Health Canada
- Siemens
- ABB
- CSA International
- Many pharmaceutical companies (Genentech, GSK, Bristol-Myers...)

“SUSTAINABILITY THROUGH ACCELERATED AGING: HELPING OUR PLANET ONE TEST AT A TIME.”

Accelerated Aging

- Temperature / Humidity
- Sun / UV Exposure
- Corrosion
- Vibration



Pressure and electrical computer monitoring while thermal cycling

What we do

The essence of what we do is to simulate real life, in the laboratory under controlled yet accelerated conditions. Our material testing experts will be happy to help you put together a meaningful test plan that will address your needs and give you real answers.

Made-to-measure Material Testing

Micom offers a wide variety of mechanical and physico-chemical material testing according to various standards, such as ASTM, CGSB, ISTA, ANSI, CSA, ISO and many others. Our specialists can also provide you with made-to-measure material tests, focused on your specific needs.

Raw Materials & Finished Products Testing

Our know-how and our facilities allow us to test a wide range of raw materials and finished products. Whether you need cold chain testing, consumer products, composite materials, or accelerated aging, we are always available to support your technical needs.

Prototypes and Simulated Use Testing

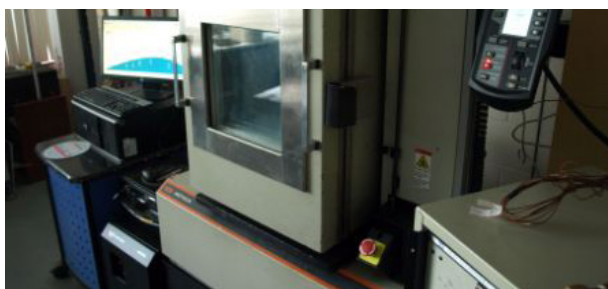
Our facilities are also equipped to test prototypes, simulate intensive use of products and materials either to validate your design or investigate a field failure. Our quality control system complies with ISO 17025.

SURFACE FINISH TESTING:

- Xenon Arc Exposure: ASTM G155
- QUV Exposure: ASTM G154
- Salt Spray testing: ASTM B117
- Cyclic Corrosion Testing: ASTM G85
- Conical Mandrel: ASTM D522
- Specular Gloss: ASTM D523
- Moisture absorption: ASTM D570
- Coating Film thickness: ASTM D1196
- Hardness: ASTM D2240
- Color Measurement: ASTM D2244
- Paint Adherence: ASTM D3359
- Scratch Resistance: ASTM D3363
- Abrasion Resistance: ASTM D4060
- Gardner Impact: ASTM D2794
- Cyclic Salt Fog & UV exposure: ASTM D5894



Custom Material testing



Materials mechanical properties under
hi/low temperatures

MATERIAL TESTING À LA CARTE

- Tensile Strength - ASTM D-638, D-412, D-882...
- Compressive Strength - ASTM D-695, D-2990, D-4762
- Flexural Strength - ASTM D-790
- Foam - ASTM D-3574
- Latex - ISO 10282 & 11193
- Moisture Absorption - ASTM D-570
- Particle Board Testing - ASTM D-1037
- Specific Gravity - ASTM D-792



Some of our chambers at a glance

