

# MICOM LABORATORIES SPECIALIZED IN MATERIAL TESTING *SINCE 1999*

*Our business: Providing Results and Value*  
*ISO 17025 Accredited*



# ACCELERATED AGING



## Material Testing

- Coatings
- Polymers
- BIFMA
- ASTM



## Packaging

- ISTA
- ASTM
- UN
- Medical Devices



## Environmental

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

**Micom Laboratories Inc.** is established in Montreal, Quebec, since 1999. Micom offers a wide range of material testing services. Micom specializes in the accelerated aging, physical and mechanical tests by using well-known standards, such as:

ASTM, ANSI, BIFMA, 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.*

## OUR VISION:

*Sustainable development through testing.*

## OUR MISSION:

*Offer our customers accelerated aging test services.*

## OUR VALUES:

- Practicality
- Quality
- Dependability
- Ingenuity

# “MICOM - TESTING MADE EASY”

ACCURACY • AVAILABILITY • ACCOUNTABILITY

## Serving a Wide Range of Industries and Companies

Micom offers material testing worldwide.



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



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



**COATINGS:** Rustguard



**CONSUMER PRODUCTS:** Artika, Anseco Group, Loblaws



**ELECTRONIC:** Smart, TM4, Belden, Bionx



**ENTERTAINMENT:** Cirque du Soleil, Show Canada, Stageline



**FOOD:** Kraft, Danone, Clif Bar



**HEALTH SCIENCES:** ArjoHuntley, CAE Healthcare



**INDUSTRIAL:** Herman Miller, Venmar, Tafisa, Knoll



**PHARMACEUTICAL:** GSK Biologics, Genentech, Covidien, Stryker



**POLYMER:** IPL, Soucy Group, Urethane Technology

## Recognized Testing Laboratory

Micom is a recognized source of laboratory testing by major businesses 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)
- SEFA (Scientific Equipment and Furniture Association)

## TESTING RECOGNIZED BY:

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

## 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 polymer finished products. Whether you need coating testing, sub assembly testing, package testing 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.

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

[WWW.MICOMLAB.COM](http://WWW.MICOMLAB.COM)

## 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

## CLIMATE EXPOSURE:

- Climatic chambers - Humidity, temperature cycling
- -73°C to +150°C, 10 - 95% RH
- Sun / UV 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

## PACKAGE TESTING:

- ISTA 1A
- ISTA 3A
- ISTA 3B
- ISTA 3E
- ISTA 6-Samsclub
- ISTA 6-Amazon.com
- ASTM D-4169
- ASTM D-5276
- ASTM D-880
- ASTM D-6179
- ASTM D-6055
- TP 14850
- ISO 11607

## MECHANICAL PROPERTIES

- 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

*ACCURACY, RELIABILITY, AVAILABILITY*

**1-888-99-MICOM**