



# INDUSTRIAL HYGIENE

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### Expertise

Ensuring the health and welfare of employees in the workplace is an important consideration for many North American organizations, as is adhering to environmental safety standards and regulations. Maxxam Analytics International Corp. is able to provide analytical and technical support to industrial hygienists performing occupational hygiene and indoor air quality assessments, compressed breathing air testing, asbestos building surveys, and a variety of specialized analyses in support of occupational exposure assessments. Maxxam is accredited for specific field of test or analyses by the American Industrial Hygiene Association Laboratory Accreditation Program, LLC (AIHA-LAP), the Canadian Association for Laboratory Accreditation (CALA), and the Standards Council of Canada (SCC).

### Occupational Exposure Assessments

Airborne contaminants in the workplace are a major contributor to a variety of health conditions. Maxxam can provide accredited defensible analytical services to help assist in determining potential health risks through the analysis of:

- Airborne Particulate and Metals
- Volatile Organic Compounds
- Respirable Silica
- Asbestos Fibre Counting
- Airborne Mould and Mould Identification
- Gaseous Composition Determination

### Methodologies

Maxxam has extensive experience employing methodologies published by the Workers' Compensation Boards, National Institute for Occupational Safety and Health (NIOSH), the US Environmental Protection Agency (EPA), the Occupational Safety and Health Administration (OSHA) and the American Society for Testing and Materials (ASTM). In addition, Maxxam has significant expertise in microbiology research and analysis.

### Bulk Material Testing

Asbestos was widely used in commercial and residential buildings until identified as a carcinogen. Maxxam provides rapid and accurate identification of building materials and mechanical components for the presence of asbestos as well as lead and other harmful substances. Maxxam is accredited for the identification of asbestos in bulk materials by the AIHA-LAP.

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## Compressed Breathing Air Analysis

Compressed breathing air used by firefighters, scuba divers, and industrial workers requires the utmost purity for their health and safety. Maxxam is accredited by the SCC to perform compressed gas purity analysis in accordance with the Canadian Standards Association (CSA) standards requirements.

## Mould Enumeration & Genus Identification

Maxxam's microbiology department specializes in mould enumeration and identification to genus. In addition to providing traditional viable air analysis using agar media, Maxxam can provide a complete viable and non-viable spore profile using two media: spore traps and tape lifts. Spore trap analysis for airborne mould is suitable for capturing pollen, insect parts, skin fragments, fibres, and inorganic particulate. Tape lifts allow for direct microscopic examination of a surface, suspected to contain mould. Since mould growth is not required for analysis of both media, they provide fast, high level of precision for "leaky building" or flood investigations, indoor air quality assessments, and mould remediation clearances.

## Quality Systems

Maxxam has a strong Quality Management System (QMS) which encompasses both quality assurance and quality control. More than 30 people are employed on Maxxam's Quality Assurance (QA) team as Regional Managers, Specialists and Coordinators. The QA staff is responsible for carrying out the monitoring, documentation, and training required by the company's QMS. To ensure independence, integrity, and effectiveness of their functions, these employees report to the National Director of Quality, who reports directly to Maxxam's CEO.

Maxxam's accreditation by the AIHA-LAP, CALA, and SCC involves a detailed laboratory facility audit with assessment of each accredited method/parameter every two years. The laboratory also participates in proficiency testing programs as required by each accrediting organization.

For specific scope of accreditation, visit:

<a href="http://www.aihaaccreditedlabs.org">www.aihaaccreditedlabs.org</a>	accredited laboratory number 179809 (BC)
<a href="http://www.scc.ca">www.scc.ca</a>	accredited laboratory number 117 (BC) accredited laboratory number 97 (ON)
<a href="http://www.cala.ca">www.cala.ca</a>	accredited laboratory number 2168 (BC)

Maxxam is the Canadian market leader in analytical services and solutions to the energy, environmental, food and DNA industries and a member of the Bureau Veritas Group of companies – a world leader in testing, inspection and certification services. We support critical decisions made by our customers through the application of rigorous science and the knowledge and expertise of our over 2500 employees.

For more information, please email:  
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