



**CLARK**  
Laboratories, LLC

A Division of Clark Testing Group

## Clark Laboratories Industrial Hygiene Laboratory



Since 1986, the Industrial Hygiene Laboratory has supported the light and heavy manufacturing industries including production and fabrication of aluminum and steel, the refinery and power generating industries, as well as consulting firms.

American Industrial Hygiene Association accreditation for asbestos (PLM and PCM), metals, organic solvents, diffusive samplers, and silica

AIHA Laboratory ID# 100355

**CLARK**  
Testing Services, LLC

**CLARK**  
Dynamic Test Laboratory, Inc.

**CLARK**  
Laboratories, LLC

Industrial Hygiene Lab



## Capabilities

Clark Labs IH Laboratory specializes in metals, organics, asbestos including Polarized Light Microscopy (PLM) and Phase Contrast Microscopy (PCM) and Silica analysis, including quartz, cristobalite, and tridymite.

- Metals Analysis
- Organics Analysis
- Silica Analysis
- Dust Analysis
- Asbestos Analysis

### Metals Analysis

The IH Lab is accredited by the American Industrial Hygiene Association (AIHA) under the Industrial Hygiene Laboratory Accreditation Program (IHLAP) and the Environmental Lead Laboratory Accreditation Program (ELLAP) for:

- Metals analysis in air
- Lead in paint, soil and dust

This laboratory is a successful participant in the following AIHA programs:

- Environmental Lead Proficiency Analytical Testing (ELPAT)
- Proficiency Analytical Testing (PAT)

All samples are prepared by EPA-OSHA and NIOSH-approved methods that include both hot plate and microwave digestion techniques.

The analytical tests include:

- Flame Atomic Absorption Spectrometry (FLAA)
- Graphite Furnace Atomic Absorption (GFAA)
- Inductively Coupled Plasma Spectrometry (ICP)

### Silica Analysis

The Silica Lab is also accredited by the AIHA for the analysis of silica and successfully participates in the PAT program. All samples are prepared and analyzed by X-ray Diffraction according to NIOSH methods which enable the lab to quantitatively and qualitatively report quartz, cristobalite, and tridymite in samples.

### Organics Analysis

Our Organic Laboratory, also accredited by the American Industrial Hygiene Laboratory Accreditation Program, successfully participates in the PAT program and provides routine analysis of the following:

- Solvents
- PCBs
- Aldehydes
- Acids
- Ketones
- Amines
- Alcohols
- PAH compounds

The Organics Lab also offers special project analysis tailored to meet clients' specific needs. Samples are prepared by NIOSH, OSHA and EPA protocols. The tests are performed by:

- Gas Chromatography (GC)
- Gas Chromatography-Mass Spectrometry (GC-MS)
- Fourier Transform Infrared Spectrometry (FTIR)
- High Performance Liquid Chromatography (HPLC)

### Anion Analysis

The IH Laboratory has the capability to analyze anions by ion chromatography to allow determination of:

- Acids
- Halogen gas
- Ozone
- NOx
- SO<sub>2</sub>

In addition, hexavalent chromium can be determined by ion chromatography according to OSHA method ID-215.

Other capabilities include:

- Gravimetric analysis
  - Dust
  - Particulate
- Microscopy for asbestos
  - Fibers in air
  - Bulk samples
- Wet chemistry methods
  - Cyanide
  - Ammonia
  - Oil mist
  - Benzene-soluble fraction
  - Fluoride
  - Others



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