

Fee schedule for common analyses

Industrial Hygiene Laboratory Services from Liberty Mutual Insurance

This fee schedule gives a listing of prices for the most frequently requested analyses. If the analysis you require is not listed, please contact us for a price estimate.

Turnaround: Standard turnaround is five business days.

Rush analysis can be arranged with *prior notification and approval*.

Surcharges for RUSH requests, from the time of receipt in the lab, are:

One business day – 200% (*not available for some analysis*)

Two business days – 150% **Three business days – 75%**

Metals	First	Additional
Common metals by ICP ^{1,4}	\$36	\$26
Beryllium oxide	\$55	
Chromium VI (paint) ¹	\$100	
Chromium VI (soluble) ¹	\$75	
13 metal scan (welding fume scan) ^{1,2,4}	\$150	
20 metal scan ^{1,2,4}	\$190	
Microscopy		
Asbestos fiber count (PCM)	\$35	
Asbestos fiber identification (PLM)	\$40	
Gravimetric analysis		
Dust (carbon black (NIOSH 5000), oil mist, respirable, welding fume)	\$27	
Inhalable dust ³	\$35	
Condensed oil/particulate	\$50	
High performance liquid chromatography (HPLC)		
Common HPLC (aldehydes & isocyanates)	\$95	\$45
Anhydrides (maleic & trimellitic) ³	\$100	\$50
Amines (if collected on NITC tubes) ³	\$85	\$45
Aldehyde scan	\$230	
Isocyanate scan	\$190	
Pharmaceuticals ³	\$110	\$50
Ion chromatography (IC)		
Common IC (inorganic acids, anion & cation) ⁴	\$65	\$44
Chlorine dioxide ³	\$70	
Chlorine & bromine ³	\$75	
Fluorides (gaseous and particulate) ^{3,4}	\$115	
Organic acids (such as formic, acetic, butyric, lactic, propionic)	\$70	\$44
Inorganic and organic acid scan	\$165	
Silica (by XRD)		
	Air	Bulk
Quartz	\$70	\$100
Quartz and cristobalite	\$85	\$130
Quartz, Cristobalite and tridymite	\$105	\$140

Solvents

Common solvents	First	Additional
Solid sorbent tubes (CT, SGT, etc.)	\$55	\$32
Organic vapor monitors (3M 3500/ 3520)	\$72	\$32
GC/MS Scan (15 analytes quantified)	\$250	

Other solvents

Amines ³	\$85	\$50
Diacetyl or acetoin	\$95	\$45
Ethylene oxide	\$105	
Glycols and phthalates	\$75	\$40
Organo sulfur compounds ³	\$105	\$55
Mixtures on tubes or sorbent tubes in series	\$70	\$32
PCBs ³	\$90	\$45
1,3,5 Triglycidyl isocyanurate ³	\$95	

Special methods analyses

Aminoethanols	\$88	\$45
Asphalt fume (NIOSH 5042)	\$75	
Carbon black (OSHA 196)	\$80	
Coal tar pitch volatile, BSF	\$90	
Cyanide (NIOSH 7904)	\$75	
Gas analysis (medical and Grade D Air)	\$165	
Hydrogen peroxide (OSHA VI-6)/filter ⁴	\$85	
Metal working fluids (NIOSH 5524)	\$80	
Oil mist mineral by FTIR (NIOSH 5026) ³	\$75	
PNA scan (NIOSH 5506)	\$280	
PNA scan (OSHA 58)	\$190	
Specialty metals by ICP	\$55	\$32
Specialty metals by AA (includes mercury)	\$65	\$32
Metals by ICP/MS ³	\$50	\$32
Organic tin ³	\$80	

Special charges

1. Preparation charge applies to bulk and wipes: \$10 per sample.
2. Customized reporting: \$40 per report.
3. Three sample minimum required.
4. Media charge applies to some specialty media such as PPI and treated filters.

Method development/validation

We partner with our customers to develop new methods for analytical testing, as well as validate existing methods. Please contact the lab for quote on method development or validation costs.

Sample blanks

Sample blanks are recommended for all sampling activities and are charged at the same rate as the sample.

Sampling guide

Sampling Guide provides further information about air sampling and our lab services. The Sampling Guide may be accessed by contacting the lab (lmihlaboratory@libertymutual.com) or for our policy holders via Liberty Mutual SafetyNet™.

Terms and conditions

The following statements describes the terms and conditions under which the Liberty Mutual Industrial Hygiene Laboratory (LMIHL) operates.

- The client is responsible for the condition and custody of all samples prior to receipt, inspection and acceptance by LMIHL.
- Methods used by LMIHL to analyze your samples are compliant with NIOSH, OSHA and other regulatory agencies. LMIHL reserves the right to interpret these methodologies when applying them to the analysis of client's samples based on reasonable, professional judgment of LMIHL personnel and recognized industry standards.
- LMIHL reserves the right to use our standard template in reporting analytical results. Where reasonable, we will make every effort to honor requests for special hardcopy or electronic formats if requested in advance.
- LMIHL requires authorization in writing when requesting additional distribution of lab reports to other than the client
- LMIHL may release reports upon the request of the client either verbally or by email. Such reports are considered tentative and may be subject to modification after completion of QA/QC review.
- Report will only contain analytical data. LMIHL is not in the position to interpret data as they pertain to regulations, calculation of time-weighted average exposures from analytical results, etc.

Prices are subject to change without notice.

Equipment rental

Inhalable Samplers: \$20 each per week (two week maximum); Calibrator adaptor: \$10 per week additional.

Sampling devices and media

Sampling pumps and compressed gas analysis media

Pre-calibrated air sampling pumps and gas analysis (Grade D, E or Medical Gas) air sampling equipment are loaned at no charge for two weeks. At least one week notice prior to your "need by date" is required by the lab. After two weeks, charges of \$15 per day, per pump, or per gas cylinder or filter will apply.

Return policy

Media is provided at no cost when returned to laboratory for analysis within 30 days. After 30 days, unreturned media will be invoiced at cost plus shipping. Returned unused specialty media that cannot be reused (isocyanates filters,aldehyde badges,sorbent tubes, ozone filters, etc.) will be charged at cost plus shipping.

Shipping

UPS ground shipping within the 48 states is provided for sampling media at no extra charge. Return shipping is the client's responsibility. Rush and international shipping charges will be added to analysis fees. Media orders for same day shipping must be submitted by 2 p.m. Eastern Time, Monday through Friday. Media requiring cold shipping cannot be delivered over the weekend. Order the media by contacting the lab.

Common analytes

Common aldehydes: Acetaldehyde, acrolein, formaldehyde, benzaldehyde, butyraldehyde, valeraldehyde, and propionaldehyde.

Common Isocyanates: Hexamethylene diisocyanate (HDI), Isophorone diisocyanate (IPDI), Methylene bis-phenyl isocyanate (MDI), Toluene-2,4-diisocyanate (2,4-TDI), Toluene-2,6-diisocyanate (2,6-TDI).

Common metals: Aluminum, Antimony, Arsenic, Barium, Beryllium, Calcium, Cadmium, Chromium, Cobalt, Copper, Iron, Lanthanum, Lead, Lithium, Magnesium, Manganese, Molybdenum, Nickel, Phosphorus, Platinum, Potassium, Selenium, Sodium, Silver, Strontium, Tellurium, Tin, Titanium, Thallium, Vanadium, Zinc, Zirconium

Specialty metals: Arsenic Trioxide, Arsine, Beryllium Oxide, Bismuth, Boron, Gallium, Germanium, Germane, Gold, Indium, Palladium, Phosphine, Rhodium, Silane, Titanium dioxide, Tungsten, Yttrium

Welding fume: Includes antimony, beryllium, cadmium, chromium, cobalt, copper, iron, lead, manganese, molybdenum, nickel, vanadium, zinc.

20 metal scan: Aluminum, Antimony, Arsenic, Beryllium, Calcium, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Selenium, Tin, Titanium, Thallium, Vanadium, Zinc. Can be customized. Please contact lab.

Inorganic acid scan: hydrogen bromide, hydrogen chloride, hydrogen fluoride, nitric acid, phosphoric acid, sulfuric acid.

Organic acid scan: acetic acid, butyric acid, formic acid, propionic acid.

Organo sulfur compounds: carbon disulfide, dimethyl sulfide, etc.

Solvent mixtures: mineral spirits, naphthas, Stoddard solvents, TVOC, kerosene, etc.

How to Reach the Lab

lmihlaboratory@libertymutual.com

1-800-230-6263

1-508-544-5371