



01/28/2011

Laboratory ID: 157245

Richard Harding
EMSL Analytical, Inc.
2001 East 52nd St,
Indianapolis, IN 46205

Dear Mr. Richard Harding:

Congratulations! The AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC's Analytical Accreditation Board (AAB) has approved EMSL Analytical, Inc. as an accredited Industrial Hygiene, Environmental Lead and Environmental Microbiology laboratory.

Enclosed, please find the IHLAP, ELLAP and EMLAP accreditation certificate, scope of accreditation document and a copy of the current AIHA-LAP, LLC license agreement (if your completed agreement is not on file at AIHA-LAP, LLC). The accreditation logo has been designed for use by all AIHA-LAP, LLC accredited laboratories. If your laboratory chooses to use the logo in its advertising the laboratory's accreditation, you must complete and return the AIHA-LAP, LLC license agreement to a Laboratory Accreditation Specialist. Once submitted, an electronic copy of the accreditation logo will be sent to you. Please inform us if your laboratory does not wish to use the logo in advertising.

Laboratory accreditation shall be maintained by continued compliance with IHLAP, ELLAP and EMLAP requirements (*see Policy Modules 2B, 2C, 2D, 6B, 6C and 6D*), which includes proficient participation in the IHPAT, ELPAT and EMPAT programs for all Fields of Testing (FoTs) for which the laboratory is accredited. An accredited laboratory that wishes to expand into a new FoT must submit an updated accreditation application to AIHA-LAP, LLC for review by the AAB.

Any changes in ownership, laboratory location, personnel, FoTs/Methods, or significant procedural changes shall be reported to AIHA-LAP, LLC in writing within twenty (20) business days of the change.

The accreditation certificate is the property of AIHA-LAP, LLC and must be returned to us should your laboratory withdraw or be removed from the IHLAP, ELLAP and EMLAP.

Again, congratulations. If you have any questions, please contact Edmund Wong, Laboratory Accreditation Specialist, at (703) 846-0716.

Sincerely,

A handwritten signature in black ink that reads "Cheryl O. Morton". The signature is written in a cursive, flowing style.

Cheryl O. Morton
Director,
AIHA Affiliate Laboratory Programs
Enclosure



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

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along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC accreditation to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories* in the following:

LABORATORY ACCREDITATION PROGRAMS

- ✓ **INDUSTRIAL HYGIENE** Accreditation Expires: 02/01/2013
- ✓ **ENVIRONMENTAL LEAD** Accreditation Expires: 02/01/2013
- ✓ **ENVIRONMENTAL MICROBIOLOGY** Accreditation Expires: 02/01/2013
- FOOD** Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2005 and AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current Scope.

Christine Powell

Christine Powell

Chairperson, Analytical Accreditation Board

Revision 10: 01/13/2011

Cheryl O. Morton

Cheryl O. Morton

Director, AIHA Laboratory Accreditation Programs, LLC

Date Issued: 02/01/2011



AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

EMSL Analytical, Inc.
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Issue Date: 02/01/2011

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or revocation. A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 12/01/2005

IHLAP Scope Category	Field of Testing (FoT)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte <i>(for internal methods only)</i>
Chromatography Core	Gas Chromatography		NIOSH 1003 Modified	
			NIOSH 1400 Modified	
			NIOSH 1501 Modified	
	Liquid Chromatography	HPLC	NIOSH 2000 Modified	
Spectrometry Core	Inductively-Coupled Plasma		NIOSH 7300 Modified	
Asbestos/Fiber Microscopy Core	Phase Contrast Microscopy (PCM)		NIOSH 7400	



The laboratory participates in the following AIHA-LAP, LLC-approved proficiency testing programs:

- √ AIHA-PAT Programs, LLC IHPAT Metals
- √ AIHA-PAT Programs, LLC IHPAT Organic Solvents
- AIHA-PAT Programs, LLC IHPAT Silica
- AIHA-PAT Programs, LLC IHPAT Diffusive Sampler (3M)
- AIHA-PAT Programs, LLC IHPAT Diffusive Sampler (SKC)
- AIHA-PAT Programs, LLC IHPAT Diffusive Sampler (AT)
- √ AIHA-PAT Programs, LLC IHPAT Asbestos
- AIHA-PAT Programs, LLC Bulk Asbestos (BAPAT)
- AIHA-PAT Programs, LLC Beryllium (BePAT)
- √ HSE Workplace Analytical Scheme for Proficiency (WASP) (Formaldehyde)
- HSE Workplace Analytical Scheme for Proficiency (WASP) (Thermal Desorption Tubes)
- Pharmaceutical Round Robin
- Compressed/Breathing Air Round Robin
- National Voluntary Laboratory Accreditation Program (NVLAP - determined at the time of site assessment)
- New York State Department of Health (NYS DOH – PCM and TEM)
- ERA Air and Emissions standards for indoor air quality
- Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, formerly BGIA)
- Institut de Recherche Robert-Sauvé en Santé et en Sécurité du Travail (IRSST)



AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

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The EPA recognizes the AIHA-LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.

Environmental Lead Laboratory Accreditation Program (ELLAP)

Initial Accreditation Date: 09/01/2002

Field of Testing (FoT)	Method	Method Description <i>(for internal methods only)</i>
Airborne Dust	NIOSH 7082	
Paint	EPA SW-846 3050B	
	EPA SW-846 7420	
Settled Dust by Wipe	EPA SW-846 3050B	
	EPA SW-846 7420	
Soil	EPA SW-846 3050B	
	EPA SW-846 7420	

The laboratory participates in the following AIHA-LAP, LLC-approved proficiency testing programs:

- √ Paint
- √ Soil
- √ Settled Dust by Wipe
- √ Airborne Dust



AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

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Environmental Microbiology Laboratory Accreditation Program (EMLAP)

Initial Accreditation Date: 12/01/2004

EMLAP Category	Field of Testing (FoT)	Method	Method Description <i>(for internal methods only)</i>
Fungal	Air - Culturable	SOP M005	Standard Operating Procedure for the Analysis of Bulk Specimens or Swabs For Fungi by Culture on Agar Plates and The Analysis of Fungi from Air Samples Collected on Agar Plates
	Bulk - Culturable		
	Surface - Culturable		
	Air - Direct Examination	05-TP-003.4 SOP	Standard Operating Procedure for the Analysis of Airborne Fungal Spores, Hyphal Fragments, Pollen, Insect Fragments, Skin Fragments and Fibrous Particulate by Optical Microscopy of Spore Trap Samples
	Bulk - Direct Examination	M041 Direct Exam ver2.1	Standard Operating Procedure for the Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, Pollen, Insect Fragments, and Fibrous Material from Surface Samples
	Surface - Direct Examination		
Bacterial	Air - Culturable	M009 - Bacterial Agar - ver2	Standard Operating Procedure for the Analysis of Bulk Specimens or Swabs For Bacteria by Culture on Agar Plates and The Analysis of Bacteria From Air Samples Collected on Agar Plates
	Bulk - Culturable		
	Surface - Culturable		



The laboratory participates in the following AIHA-LAP, LLC-approved proficiency testing programs:

- √ Fungal Culturable
- √ Bacterial Culturable
- √ Fungal Direct Examination