



November 30, 2017

Laboratory ID: 101070

Steve Strebel  
Wisconsin Occupational Health Laboratory  
2601 Agriculture Drive  
Madison, WI 53718

Dear Mr. Strebel:

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

Accreditation documentation includes 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 symbol has been designed for use by all AIHA-LAP, LLC accredited laboratories. If your laboratory chooses to use the symbol 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 symbol will be sent to you. Please inform us if your laboratory does not wish to use the symbol in advertising.

Laboratory accreditation shall be maintained by continued compliance with IHLAP, ELLAP and EMLAP requirements (*see Policy Modules 2B, 2C, 2D, and 6*), which includes proficient participation in AIHA-LAP, LLC approved proficiency testing, demonstration of competency, or round robin program as indicated on the AIHA-LAP "Approved PT and Round Robin" webpage, its associated Scope/PT table, and as required in Policy Module 6, 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 Lauren Schnack, Senior Specialist, Quality and Accreditation, at (703) 846-0716.

Sincerely,

Cheryl O. Morton  
Managing Director  
AIHA Laboratory Accreditation Programs, LLC

*AIHA Laboratory Accreditation Programs, LLC*  
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R3 05/05/2015

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## AIHA Laboratory Accreditation Programs, LLC

*acknowledges that*

### Wisconsin Occupational Health Laboratory

2601 Agriculture Drive, Madison, WI 53718

Laboratory ID: 101070

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

- |   |                                       |
|---|---------------------------------------|
| <input checked="" type="checkbox"/> <b>INDUSTRIAL HYGIENE</b>         | Accreditation Expires: April 01, 2020 |
| <input checked="" type="checkbox"/> <b>ENVIRONMENTAL LEAD</b>         | Accreditation Expires: April 01, 2020 |
| <input checked="" type="checkbox"/> <b>ENVIRONMENTAL MICROBIOLOGY</b> | Accreditation Expires: April 01, 2020 |
| <input type="checkbox"/> <b>FOOD</b>                                  | Accreditation Expires:                |
| <input type="checkbox"/> <b>UNIQUE SCOPES</b>                         | 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](http://www.aihaaccreditedlabs.org)) for the most current Scope.

William Walsh, CIH  
Chairperson, Analytical Accreditation Board

Cheryl O. Morton  
Managing Director, AIHA Laboratory Accreditation Programs, LLC



## AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

**Wisconsin Occupational Health Laboratory**  
2601 Agriculture Drive, Madison, WI 53718

Laboratory ID: **101070**  
Issue Date: 04/03/2018

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 withdrawal of accreditation.

### Industrial Hygiene Laboratory Accreditation Program (IHLAP)

**Initial Accreditation Date: 05/01/1982**

IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/ Title of In-house Method	Method Description or Analyte <i>(for internal methods only)</i>
<b>Chromatography Core</b>	Gas Chromatography	GC/FID	NIOSH 1018	
			NIOSH 1019	
			NIOSH 1301	
			NIOSH 1302	
			NIOSH 1400	
			NIOSH 1402	
			NIOSH 1403	
			NIOSH 1453	WG019, WG025
			NIOSH 1500	
			NIOSH 1501	
			NIOSH 1616	
			NIOSH 2000	
			NIOSH 2002 Modified	
			NIOSH 2004	
			NIOSH 2005	
			NIOSH 2012	
			NIOSH 2500	WG019, WG025
			NIOSH 2505	
			NIOSH 2508	
			NIOSH 2526	
NIOSH 2530				
NIOSH 2537				
NIOSH 2545				
NIOSH 2554	WG 007; WG 136			



IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	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	GC/FID	NIOSH 2557	
			NIOSH 5034 Modified	
			NIOSH 5038	
			NIOSH 5523	
			NIOSH S-264	
			OSHA 01	
			OSHA 100	
			OSHA 101	WG 007; WG 136
			OSHA 1013 (Modified)	
			OSHA 103	WG019, WG025
			OSHA 104	
			OSHA 106	
			OSHA 109	
			OSHA 35	
			OSHA 37	
			OSHA 46	
			OSHA 53	WG 007; WG 136
			OSHA 56	
			OSHA 66	
			OSHA 69	
			OSHA 72	
			OSHA 75	
			OSHA 79	
			OSHA 80	
			OSHA 83	
			OSHA 84	
			OSHA 89	WG012, WG016
			OSHA 91	
			OSHA 92	
			OSHA 94	
			OSHA 99	
			OSHA ID 172 Modified	WG060, WG061
OSHA PV2003				
OSHA PV2009				
OSHA PV2013	WG 007; WG 136			
OSHA PV2014				
OSHA PV2016	WG035, WG095			
OSHA PV2019	WG 007; WG 136			
OSHA PV2020	WG 007; WG 136			
OSHA PV2021	WG 007; WG 136			





IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	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	GC/FID	OSHA PV2022		
			OSHA PV2024		
			OSHA PV2047		
			OSHA PV2048		
			OSHA PV2053		
			OSHA PV2060	WG35, WG109, WG124	
			OSHA PV2064		
			OSHA PV2080	WG 007; WG 136	
			OSHA PV2081	WG 007; WG 136	
			OSHA PV2095	WG 007; WG 136	
			OSHA PV2101		
			OSHA PV2108		
			OSHA PV2118		
			OSHA PV2123	WG101, WG095	
			OSHA PV2130	Benzophenone	
			OSHA PV2133		
			GC/TCD	WG023	Rhone-Poulenc for methyl Salicylate
			GC/TCD	WG099	In-house Bis(2-Dimethylaminoethy) ether
		GC/TCD	WG127	OSHA CSI (Chemical Sampling Information)	
		GC/TCD	WG128	In House Polycat 5	
		GC/TCD	WG088	In-house Triethylene diamine	
		GC/TCD	OSHA ID 172	WG062, WG064, WG066	
		GC/ECD	EPA 8081		
		GC/ECD	EPA 8081B		
		GC/ECD	NIOSH 5039		
		GC/ECD	NIOSH 5503		
		GC/ECD	NIOSH 1010		
		GC/ECD	NIOSH 1012		
		GC/ECD	NIOSH 1016		
		GC/ECD	OSHA 57		
		GC/ECD	OSHA 62 Modified		
		GC/ECD	OSHA 65		
		GC/ECD	OSHA 67	WG039, WG041, WG071, WG072, WG077	
GC/ECD	OSHA 70				
GC/ECD	OSHA 71				
GC/ECD	OSHA 73				
GC/ECD	OSHA PV2055				
GC/ECD	OSHA PV2088				



IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte <i>(for internal methods only)</i>
<b>Chromatography Core</b>	Gas Chromatography	GC/ECD	OSHA PV2089	
			EPA 507	
			NIOSH 2527 Modified	
			NIOSH 2544	
			NIOSH 2551	WG058, WG104
			OSHA 102	
			OSHA 21	WG038, WG093
			OSHA 52	
			OSHA 61	
			OSHA PV2004 Modified	
			OSHA PV2084	
			OSHA PV2104	
	Gas Chromatography (Diffusive Samplers)		OSHA 1001	
			OSHA 1002	
			OSHA 1004	
			OSHA 1005	WG030, WG031, WG032, WG033
			OSHA 111	WG030, WG031, WG032, WG033, WG059
				SKC Technical Bulletin
	Ion Chromatography (IC)		NIOSH 2011	
			NIOSH 6004	W1026so, WI0027ume
			NIOSH 6011	
			NIOSH 6013	
			NIOSH 6017	
			NIOSH 6402 (Modified)	
			NIOSH 7903	
			OSHA ID-104	
			OSHA ID-111	
			OSHA ID-113	
			OSHA ID-165SG	
			OSHA ID-174SG	
		OSHA ID-182	WI0027ume, WI013nox	
		OSHA ID-186SG		
	OSHA ID-188			
	OSHA ID-190			
	OSHA ID-200			
	OSHA ID-202			



IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/Title of In-house Method	Method Description or Analyte <i>(for internal methods only)</i>
<b>Chromatography Core</b>	Ion Chromatography (IC)		OSHA ID-211	
			OSHA ID-214	
			OSHA ID-215 v2	
			OSHA PV2115	
			OSHA PV2119	
			UMEX 200 inst.	
			WI020eth	In-house method for Ethanolamines
			WI022ncl	In-house Method for Chloramines
			WI025mw	In-house Method for Low Molecular Weight Aliphatic Amines
			Mod OSHA ID188 passive	
	Liquid Chromatography	HPLC/FL	NIOSH 5032	
			NIOSH 5041	
			OSHA 32 Modified	
			OSHA 42	
			OSHA 47	
			OSHA 58	
			OSHA PV2092	
		HPLC/UV	OSHA W4002	
		EPA TO 11A	WL051A, WL051	
		NIOSH 2016		
		NIOSH 2540		
		NIOSH 304		
		NIOSH 3512		
		NIOSH 5001		
		NIOSH 5002		
		NIOSH 5003		
		NIOSH 5005		
		NIOSH 5007		
NIOSH 5027 Modified				
NIOSH 5043				
NIOSH S228				
OSHA 1007				
OSHA 1018				
OSHA 105				
OSHA 108				



IHLAP Scope Category	Field of Testing (FoT) (FoTs cover all relevant IH matrices)	Technology sub-type/ Detector	Published Reference Method/ Title of In-house Method	Method Description or Analyte <i>(for internal methods only)</i>
<b>Chromatography Core</b>	Liquid Chromatography	HPLC/UV	OSHA 2052	
			OSHA 28	
			OSHA 32	
			OSHA 39	WL098, WL073
			OSHA 43	
			OSHA 55	
			OSHA 60	Amines in Air
			OSHA 63	
			OSHA 64	
			OSHA 78	
			OSHA 86	
			OSHA 87	
			OSHA 90	
			OSHA 95	
			OSHA 98	
			Modified NIOSH 5509	
			OSHA PV 2012	Caprolactam
			OSHA PV2001	
			OSHA PV2005	
			OSHA PV2007	
			OSHA PV2008	
			OSHA PV2067	
			OSHA PV2094	
OSHA PV2102				
OSHA PV2110				
OSHA PV2111				
SKC UMEX-100 inst.				
WL017	In-house method for Abietic Acid			
WL035	In-house method for Cumene Hydroperoxide			
WL074	In-house method for Melamine			
WL082	In-house method for Adipic Acid			
<b>Spectrometry Core</b>	Atomic Absorption	CVAA	NIOSH 6009	
	Inductively-Coupled Plasma	ICP/AES	EPA 200.7	
			EPA SW-846 6010B	
			NIOSH 7303	





<b>IHLAP Scope Category</b>	<b>Field of Testing (FoT)</b> (FoTs cover all relevant IH matrices)	<b>Technology sub-type/ Detector</b>	<b>Published Reference Method/Title of In-house Method</b>	<b>Method Description or Analyte</b> <i>(for internal methods only)</i>
<b>Spectrometry Core</b>	Inductively-Coupled Plasma	ICP/OES	EHD Metals Method 021	Original in-house method based on cesium exchange
			EHD Metals Method 400.2	Original in-house method based on cesium exchange
			NIOSH 7500	
	X-ray Diffraction (XRD)		OSHA ID-142	
	UV/VIS (Colorimetric)		NIOSH 3500	
			NIOSH 3508	
			NIOSH P&CAM 263	
			OSHA 1019	
			OSHA 77	
	<b>Asbestos/Fiber Microscopy Core</b>	Polarized Light Microscopy (PLM)		EPA 600/M4-82-020
EPA 600/R-93/116				WA001blk, WA002blk
WP001				Microscopic Particle Identification
Phase Contrast Microscopy (PCM)			NIOSH 7400	
<b>Miscellaneous Core</b>	Gravimetric		NIOSH 0500	
			NIOSH 0600	
			NIOSH 5023	
			NIOSH 5042	WC021, WC005ctp
			NIOSH 5524	
			OSHA 58	
			OSHA ID-196	
	Ion-selective electrode (ISE)		OSHA 115SG	For perchloric acid (sampling only), Perchlorate - in-house, WC017clo
			OSHA ID-110	
			OSHA ID-212	
			OSHA ID-216SG	
	Thermo-optical Analysis (TOA)		NIOSH 5040	

A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA-LAP, LLC website at: <http://www.aihaaccreditedlabs.org>



## AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

### Wisconsin Occupational Health Laboratory

2601 Agriculture Drive, Madison, WI 53718

Laboratory ID: **101070**

Issue Date: 11/30/2017

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 withdrawal of accreditation.

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 and composited wipes analyses are not included as part of the NLLAP.

### Environmental Lead Laboratory Accreditation Program (ELLAP)

**Initial Accreditation Date: 05/20/1994**

Field of Testing (FoT)	Technology sub-type/ Detector	Method	Method Description <i>(for internal methods only)</i>
<b>Paint</b>		EPA 200.7	
		EPA SW-846 6010B	
		NIOSH 7303	
<b>Soil</b>		EPA 200.7	
		EPA SW-846 6010B	
		NIOSH 7303	
<b>Settled Dust by Wipe</b>		EPA 200.7	
		EPA SW-846 6010B	
		NIOSH 7303	
<b>Airborne Dust</b>		EPA 200.7	
		EPA SW-846 6010B	
		NIOSH 7303	

A complete listing of currently accredited Environmental Lead laboratories is available on the AIHA-LAP, LLC website at:  
<http://www.aihaaccreditedlabs.org>



## AIHA Laboratory Accreditation Programs, LLC

### SCOPE OF ACCREDITATION

#### Wisconsin Occupational Health Laboratory

2601 Agriculture Drive, Madison, WI 53718

Laboratory ID: **101070**

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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 withdrawal of accreditation.

#### Environmental Microbiology Laboratory Accreditation Program (EMLAP)

**Initial Accreditation Date: 05/01/2000**

EMLAP Category	Field of Testing (FoT)	Method	Method Description <i>(for internal methods only)</i>
<b>Fungal</b>	Air - Culturable	WB001	Air Cassette Filter Samples for Fungi
		WB003	Andersen Air Samples for Fungi
		WB016	Mold Identification
		WB017	Yeast Identification
	Bulk - Culturable	WB006	Bulk Samples for Fungi
	Surface - Culturable	WB009	Wipe Samples for Fungi
	Air - Direct Examination	WB012	Total Spore Count
	Bulk - Direct Examination	WB015	Direct Microscopic Examination for Fungi from Bulk & Wipe Samples
	Surface - Direct Examination	WB011	Tape for Fungi
		WB015	Direct Microscopic Examination for Fungi from Bulk & Wipe Samples
<b>Bacterial</b>	Air - Culturable	WB002	Andersen Air Samples for Bacteria
		WB004	Andersen Air Samples for Thermophilic Actinomycetes
		WB014	Bacteria Identification
		WB018	Identification of Aerobic Actinomycetes

Effective: 03/12/2013

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<b>EMLAP Category</b>	<b>Field of Testing (FoT)</b>	<b>Method</b>	<b>Method Description</b> <i>(for internal methods only)</i>
<b>Bacterial</b>	Air - Culturable	WB024	In-house Identification of Methicillin Resistant Staphylococcus Aureus
	Bulk - Culturable	WB005	Bulk Samples for Bacteria
		WB013	Bulk Samples for Thermophilic Actinomycetes
	Surface - Culturable	WB008	Wipe Samples for Bacteria
		WB0108	Wipe Samples for Thermophilic Actinomycetes
	Legionella	WB013	Legionella Culture and Identification

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