



February 28, 2018

Laboratory ID: 100988

Elizabeth Hugel, PhD
BASF Corporation Industrial Hygiene Laboratory
1609 Biddle Avenue
Wyandotte, MI 48192

Dear Dr. Hugel:

Congratulations! The AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC's Analytical Accreditation Board (AAB) has approved BASF Corporation Industrial Hygiene Laboratory as an accredited Industrial Hygiene laboratory.

Accreditation documentation includes the IHLAP 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.

Laboratory accreditation shall be maintained by continued compliance with IHLAP requirements (*see Policy Modules 2B 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.

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

Sincerely,

Cheryl O. Morton
Managing Director

AIHA Laboratory Accreditation Programs, LLC
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AIHA Laboratory Accreditation Programs, LLC

acknowledges that

BASF Corporation Industrial Hygiene Laboratory

1609 Biddle Avenue, Wyandotte, MI 48192

Laboratory ID: 100988

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"/> INDUSTRIAL HYGIENE | Accreditation Expires: February 01, 2020 |
| <input type="checkbox"/> ENVIRONMENTAL LEAD | Accreditation Expires: |
| <input type="checkbox"/> ENVIRONMENTAL MICROBIOLOGY | Accreditation Expires: |
| <input type="checkbox"/> FOOD | Accreditation Expires: |
| <input type="checkbox"/> UNIQUE SCOPES | 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.

William Walsh, CIH
Chairperson, Analytical Accreditation Board

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

Revision 15: 03/30/2016

Date Issued: 02/28/2018



AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

BASF Corporation Industrial Hygiene Laboratory
 1609 Biddle Avenue, Wyandotte, MI 48192

Laboratory ID: **100988**
 Issue Date: 05/10/2018

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: 07/01/1992

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	In - House Method: AM-28	Quantitative Determination of 3-Dimethylamine, 3-Methoxypropylamine, 3-(Dimethylamino)propionitrile and 3-Methoxypropionitrile from Air
			In - House Method: AMINES3	Determination of Tertiary Amines in Air
			In - House Method: RH9001	Determination of N-Vinyl-2-Pyrrolidone in Air
			NIOSH 1403	Alcohols IV
			NIOSH 1405	Alcohols Combined
			NIOSH 1450	Esters I
			NIOSH 1500	Hydrocarbons
			NIOSH 1501	Arom HC
			NIOSH 2000	
			NIOSH 2017	
			NIOSH 2546	
			NIOSH 5515	
			NIOSH 5523	
			OSHA 35	
			OSHA 56	
			OSHA 66	
			OSHA 89	
OSHA 91				
OSHA 92				



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 94	
			OSHA PV2009	
			OSHA PV2011	
			OSHA PV2012	
			OSHA PV2022	
			OSHA PV2024	
			OSHA PV2026	
			OSHA PV2078	
			OSHA PV2106	
		GC/ECD	NIOSH 5600	
			NIOSH 5601	
			OSHA 1010	
			OSHA 57	
			OSHA 65	
			OSHA 73	
	GC/MS		EPA Method 8270D	
			In-House AM-1-90(MS)	Capillary GC Analysis of 34 Solvents on IH Personnel Monitoring Badges and Charcoal/Silica Gel Tubes
			In-House AM-30(MS)	Quant. Determination of Chlorinated Organics on CT by GC
			Internal M-3287	
			NIOSH 2549	
			NIOSH 5600	
			NIOSH 5601	
			OSHA 52	
	Gas Chromatography (Diffusive Samplers)		NIOSH 2549	
			OSHA 1001	
			OSHA 1002	
			OSHA 1004	
			OSHA 1005	
			OSHA 1009	
			OSHA 1014	
OSHA 111				
Liquid Chromatography	HPLC/UV	In-House AM-272	LC-01 & -02	
		In-House: AM-278		



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	Liquid Chromatography	HPLC/UV	In-House: Cyanuric Chloride	LC-01 & 02
			In-House: TAB	LC-01 & 02
			NIOSH 2016	
			NIOSH 2540	
			NIOSH 5029	
			NIOSH 5521	
			NIOSH 5700	
			OSHA 1007	
			OSHA 28	
			OSHA 42	
			OSHA 47	
			OSHA 60	
			OSHA PV2004	
			OSHA PV2005	
			OSHA PV2012	
			OSHA PV2034	
OSHA PV2046				
OSHA PV2058				
ISO 17734-1				
Miscellaneous Core	Gravimetric		NIOSH 0500	
			NIOSH 0600	

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