



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

CASSEN Testing Laboratories

51 International Blvd, Toronto, ON Canada M9W 6H3

Laboratory ID: 163061

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**
- ENVIRONMENTAL LEAD**
- ENVIRONMENTAL MICROBIOLOGY**
- FOOD**
- UNIQUE SCOPES**

Accreditation Expires: April 01, 2018

Accreditation Expires:

Accreditation Expires:

Accreditation Expires:

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: 03/31/2016



AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

CASSEN Testing Laboratories

51 International Blvd, Toronto, ON Canada M9W 6H3

Laboratory ID: **163061**

Issue Date: 03/31/2016

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: 07/01/2005

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	EPA 18	
			EPA 18 Modified	
			NIOSH 1000	
			NIOSH 1003	
			NIOSH 1005	
			NIOSH 1007	
			NIOSH 1014	
			NIOSH 1019	
			NIOSH 1022	
			NIOSH 1024	
			NIOSH 1025	
			NIOSH 1300	
			NIOSH 1400	
			NIOSH 1402	
			NIOSH 1403	
			NIOSH 1450	
			NIOSH 1451	
			NIOSH 1452	
			NIOSH 1453	
			NIOSH 1457	
NIOSH 1458				
NIOSH 1500				
NIOSH 1501				

Effective: 04/10/2015

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Chromatography Core	Gas Chromatography	GC/FID	NIOSH 1550	SOP M1102.R4, SOP M.1105.R1
			NIOSH 1600	
			NIOSH 1603	
			NIOSH 1604	
			NIOSH 1606	
			NIOSH 1612	
			NIOSH 2000	
			NIOSH 2005	
			NIOSH 2007	
			NIOSH 2500	
			NIOSH 2505	
			NIOSH 2508	
			NIOSH 2517	
			NIOSH 2521	
			NIOSH 2529	
			NIOSH 2537	
			NIOSH 2546	SOP M1102.R4, SOP M1110.R1
			NIOSH 2553	
			NIOSH 2555 Modified	
			NIOSH 2558	
			NIOSH 5523	
			OSHA 04	
			OSHA 07	
			OSHA 09	
			OSHA 1001	
			OSHA 1004	
			OSHA 1008	
			OSHA 1013	
			OSHA 1016	
			OSHA 103	
OSHA 104				
OSHA 106				
OSHA 113				
OSHA 12				
OSHA 15	Method for GC			
OSHA 46				
OSHA 48				



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Chromatography Core	Gas Chromatography	GC/FID	OSHA 56	
			OSHA 66	
			OSHA 80	
			OSHA 89	
			OSHA 99	
			OSHA PV2009	SOP M1102.R4, SOP M1111.R1
			OSHA PV2011	
			OSHA PV2013	
			OSHA PV2016	SOP M1102.R4, SOP M1111.R1
			OSHA PV2020	
			OSHA PV2022	
			OSHA PV2026	
			OSHA PV2040	
			OSHA PV2042	
			OSHA PV2047	SOP M1102.R4, SOP M1111.R1
			OSHA PV2077	
			OSHA PV2095	
			OSHA PV2108	
		OSHA PV2123		
		OSHA PV2124		
		OSHA PV2141		
		SOP M1102.R4	CASSEN In House Method - Monethanolamine CASSEN In House Method - N,N-Diethyl-2-aminoethanol CASSEN In House Method - Sevoflurane	
		GC/ECD	EPA 608	
			EPA 608 Modified	
			NIOSH 5503	
			NIOSH 5600 Modified	
			NIOSH 5601 Modified	
			OSHA 1010	
OSHA 67 Modified				
OSHA 70 Modified				
OSHA 71				

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Chromatography Core	Gas Chromatography	GC/ECD	SOP M.1241.R0	CASSEN In House Method - Nitrous Oxide	
			SOP M.2001.R0	CASSEN In House Method - Fungicide CASSEN In House Method - Difenconazole CASSEN In House Method - Thiamethoxam CASSEN In House Method - Trifloxystrobin	
		GC/FPD	ASTM D5705		
			ASTM D6021		
			EPA 18 Modified		
			NIOSH 2542		
			SOP M.1801.R0	CASSEN In House Method - Sulphur gases	
		SOP M.1802.R0	CASSEN In House Method - 2-Mercaptoethanol		
		GC/MS		ASTM D-6196-03	SOP M.2401.R0, SOP M.2402.R4, SOP M.2803.R0, SOP M.2804
				ASTM D-6196-97	SOP M.2401.R0, SOP M.2402.R4
			ASTM E1413		
			ASTM E1618		
			EPA 3500C	SOP M.2812.R0, SOP M.3017.R0	
			EPA 3510C	SOP M.2812.R0, SOP M.3017.R0	
			EPA 3550C		
			EPA 3810 Modified		
			EPA 5021		
			EPA 5035		
		EPA 5035 Modified			
		EPA 550			
	EPA 600/R-03/072				
	EPA 608 Modified				
	EPA 625/R-96	SOP M.2803.R0, SOP M.2804			
	EPA 8260B R-02	SOP M.2813.R0, SOP M.3017.R0			



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Chromatography Core	GC/MS		EPA 8270D	
			EPA 8270D R-04	SOP M.3005.R0, SOP M.3017.R0
			EPA TO-17	SOP M.2401.R0, SOP M.2402.R4
			ISO 16017-1	SOP M.2401.R0, SOP M.2402.R4, SOP M.2803.R0
			ISO 16017-2	SOP M.2401.R0, SOP M.2402.R4
			MDHS 53/2	
			MDHS 63/2	
			MDHS 72	SOP M.2401.R0, SOP M.2402.R4
			MDHS 80	SOP M.2401.R0, SOP M.2402.R4
			NIOSH 2549	SOP M.2401.R0, SOP M.2402.R4, SOP M.2803.R0, SOP M.2804
			NIOSH 2549 Modified	
			NIOSH 5020 Modified	
			NIOSH 5506 Modified	
			NIOSH 5515	
			NIOSH 5600 Modified	
			NIOSH 5601 Modified	
			NIOSH 9106	SOP M.2812.R0, SOP M.3005.R0
			OSHA 104 Modified	
			OSHA 21 Modified	
			OSHA 58 Modified	
			OSHA P448 Modified	
			OSHA PV2004	
			SOP M.2301.R0	CASSEN In House Method - Hexamethylenetetramine
SOP M.2804	CASSEN In House Method - Pyrazine			
SOP M.2813.R0	CASSEN In House Method - PAHs			
SOP M.3011A.R0	CASSEN In House Method - Isooctyl acrylate			



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Chromatography Core	GC/MS		SOP M.3016.R0	CASSEN In House Method - Tebuconazole, Propiconazole
			SOP M.3017.R0	CASSEN In House Method - gamma-Butyrolactone
	Gas Chromatography (Diffusive Samplers)		NIOSH 4000	
			OSHA 07 Modified	
			OSHA 1001	
			OSHA 1002	
			OSHA 1005	
			OSHA 1014 Modified	
			OSHA 106 Modified	
	Ion Chromatography (IC)		EPA 300 R-2.1	
			NIOSH 2011	
			NIOSH 3509 Modified	
			NIOSH 6004	
			NIOSH 6011	
			NIOSH 6013	
			NIOSH 7903	
			NIOSH 7906 Modified	SOP M.8704.R0, SOP M.8705.R0, SOP M.8706.R0
			NIOSH 7907 Modified	SOP M.8701.R0, SOP M.8705.R0, SOP M.8706.R0
			NIOSH 7908	
			NIOSH 7908 Modified	SOP M.8705.R0, SOP M.8706.R0
			OSHA 1008	
			OSHA 1011	SOP M.8706.R0, SOP M.8710.R1
			OSHA ID-174-SG	
			OSHA ID-182	
			OSHA ID-188	
	OSHA ID-190			
	OSHA ID-211 Modified			
	OSHA ID-214	SOP M.8706.R0, SOP M.8711.R0		
OSHA PV2141				



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Chromatography Core	Ion Chromatography (IC)		SOP M.8705.R0	CASSEN In House Method - Chloric Acid CASSEN In House Method - Perchlorichloric Acid
			SOP M.8706.R0	CASSEN In House Method - Chloric Acid CASSEN In House Method - Perchlorichloric Acid
			SOP M.8713.R0	CASSEN In House Method - Aminoethanol compounds
	Liquid Chromatography	HPLC/UV	ASTM D6561	
			ASTM D6562	
			EPA TO-11A	SOP M.4701.R3, SOP M.4705.R3
			ISO 14184-1:2011 Modified	SOP M.4701.R3, SOP M.4703.R1
			MDHS 25/4	
			MDHS 85/2	
			NIOSH 2016	SOP# M.4701.R3; SOP# M.4705.R3
			NIOSH 2016 Modified	SOP M.4703.R1, SOP M.4705.R3
			NIOSH 2532	
			NIOSH 5001	
			NIOSH 5004	
			NIOSH 5005	
			NIOSH 5041 Modified	
			NIOSH 5506	
			NIOSH 5521	
			NIOSH 5522	
			NIOSH 5700	
			NIOSH 7600	
			NIOSH S228	
			OSHA 1007	
OSHA 39				
OSHA 42	Diisocyanates in Air			
OSHA 47				
OSHA 58				
OSHA 78				



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Chromatography Core	Liquid Chromatography	HPLC/UV	OSHA PV2012			
			OSHA PV2034			
			OSHA PV2049			
			OSHA PV2092			
			SOP M.4711.R0	CASSEN In House Method - Amine		
			SOP M.4714.R0	CASSEN In House Method - 3,3'-Diaminobenzidine		
			SOP M.4715.R1	CASSEN In House Method - Herbicide		
			SOP M.4718.R0	CASSEN In House Method - IPBC		
			SOP M.4720.R0	CASSEN In House Method - Meropenem CASSEN In House Method - Citric Acid CASSEN In House Method - IPBC CASSEN In House Method - 1,3-Bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione		
		SOP M.4728.R0	CASSEN In House Method - Peroxyacetic Acid			
		LC/MS	EPA 3500C			
			EPA 8270D R-04 Modified			
			NIOSH 9106 Modified			
			NIOSH 9111 Modified			
			SOP M.41501.R0	CASSEN In House Method - Codeine		
			SOP M.41502.R0	CASSEN In House Method - Illicit Drug		
		Spectrometry Core	Atomic Absorption	CVAA	NIOSH 6009	
					OSHA ID-145	
FAA	NIOSH 7082					
	OSHA ID-121					
Inductively-Coupled Plasma	ICP/AES		EPA 3031			
			EPA 6010C			
		NIOSH 6009 Modified				



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Spectrometry Core	Inductively-Coupled Plasma	ICP/AES	NIOSH 7300	
			NIOSH 7303	M.101201.R0, M.101202.R0, M.101203.R0, M.101204.R0
			OSHA ID-145 Modified	
			OSHA ID-213	
			SOP M.101204.R0	CASSEN In House Method - Phosphorus CASSEN In House Method - Sulfur CASSEN In House Method - Dysprosium CASSEN In House Method - Terbium CASSEN In House Method - Praseodymium
Miscellaneous Core	Titrimetric		NIOSH 7401	
	Gravimetric		NIOSH 0500	
			NIOSH 0600	
			NIOSH 5023	
			NIOSH 5042 Modified	
			NIOSH 5524	
			OSHA 58	

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