



October 31, 2017

Laboratory ID: 191327

Angela Cristina de Mello Fiali
Solutech Comércio e Serviços de Análises Químicas Ltda
Avenida da Paz, 152 - Bairro Campestre
Santo Andre, Brazil 09080-607

Dear Ms. Cristina de Mello Fiali:

Congratulations! The AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC's Analytical Accreditation Board (AAB) has approved Solutech Comércio e Serviços de Análises Químicas Ltda 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. Please inform us if your laboratory does not wish to use the symbol in advertising.

As your laboratory was assessed and accredited to ISO/IEC17025:2005, AIHA-LAP, LLC is obligated to follow the ISO/IEC17011 standard as an accrediting body. ISO/IEC17011 and the AIHA-LAP, LLC Quality Manual require that all initial accreditations have a surveillance visit between six months to one year after accreditation. Please see ISO/IEC17011 Section 7.11.3. It is recommended that the first surveillance on-site assessment be carried out no later than 12 months from the date of initial accreditation. Please see AIHA-LAP Policy 3.5.10 on surveillance visits.

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, Senior Specialist, Quality and Accreditation, 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

Solutech Comércio e Serviços de Análises Químicas Ltda

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

Accreditation Expires: November 01, 2019

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: 10/31/2017



AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

Solutech Comércio e Serviços de Análises Químicas Ltda
Avenida da Paz, 152 - Bairro Campestre, Santo Andre, SP Brazil 09080-607

Laboratory ID: **191327**
Issue Date: 09/28/2018

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: 11/01/2017

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	MA-164	Determination of Propionic Acid in Air
			MA-96	Determination of C1 to C5 Hydrocarbons in Air
			NIOSH 1003	MA-013; MA-101; MA-121
			NIOSH 1005	
			NIOSH 1007	
			NIOSH 1010	
			NIOSH 1018	
			NIOSH 1020	
			NIOSH 1022	
			NIOSH 1024	
			NIOSH 1300	
			NIOSH 1301	
			NIOSH 1400	
			NIOSH 1401	MA-125; MA-26; MA-101
			NIOSH 1402	MA-124; MA-29; MA-101
			NIOSH 1403	
			NIOSH 1450	MA-17; MA-101; MA-120
			NIOSH 1451	
NIOSH 1453				
NIOSH 1454				



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 1457	
			NIOSH 1458	
			NIOSH 1459	
			NIOSH 1500	MA-122; MA-39; MA-110; MA-111; MA-19; MA-101
			NIOSH 1501	MA-39; MA-110; MA-111; MA-20; MA-101; MA-129
			NIOSH 1550	MA-39; MA-110; MA-111; MA-141
			NIOSH 1551	
			NIOSH 1552	MA-105; MA-153
			NIOSH 1602	
			NIOSH 1603	
			NIOSH 1604	
			NIOSH 1606	
			NIOSH 1608	
			NIOSH 1609	
			NIOSH 1610	
			NIOSH 1611	
			NIOSH 1612	
			NIOSH 1613	
			NIOSH 1615	
			NIOSH 1617	
			NIOSH 2000	
			NIOSH 2002	
			NIOSH 2004	
			NIOSH 2005	
			NIOSH 2013	
			NIOSH 2500	
			NIOSH 2505	
			NIOSH 2508	
			NIOSH 2513	
			NIOSH 2529	
			NIOSH 2537	
			NIOSH 2538	
			NIOSH 2546	
NIOSH 2554				
NIOSH 5020				
NIOSH 5515				



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Chromatography Core	Gas Chromatography	GC/FID	NIOSH 5523	
			NIOSH 5701	
			NIOSH S-150	
			OSHA 104	M-136; M-137
			OSHA 113	
			OSHA 16	
			OSHA 48	
			OSHA 72	
			OSHA 83	
			OSHA 84	
			OSHA 91	
			OSHA 99	
			OSHA ID 172 Modified	
			OSHA ID 210 Modified	
			OSHA PV2003	
			OSHA PV2009	
			OSHA PV2010	
			OSHA PV2016	
			OSHA PV2028	
			OSHA PV2047	
		OSHA PV2060		
		OSHA PV2077		
		OSHA PV2091	MA-39; MA-110; MA-111	
		OSHA PV2095		
		OSHA PV2124		
		OSHA PV2139		
		GC/ECD	MA-103	Determination of Benzoyl Chloride in Air
			MA-192	Determination of Nitrous Oxide in Air
			NIOSH 1614	
			NIOSH 5510	
OSHA 65				
GC/FPD	OSHA PV2055			
	NIOSH 1600			
	NIOSH 2542			
	NIOSH 5600	MA-115; MA-117; MA-118; MA-135		
OSHA 62				



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 (Diffusive Samplers)		MA-101	3M Company Occupational Health & Environmental Safety Division Determination of Selected Organic Vapors in air using 3M 3500/3520 Organic Vapor Monitors; Old OSHA 07 SKC
	Ion Chromatography (IC)		MA-70	Determination of Glyphosate in Air
			MA-80	Determination of Adipic Acid
			NIOSH 2011	
			NIOSH 3509	
			NIOSH 6004	
			NIOSH 6005	
			NIOSH 6013	
			NIOSH 6016	
			NIOSH 7903	
			NIOSH 7906	MA-84; MA-95
			NIOSH 7907	
			NIOSH 7908	
			OSHA ID 165 SG	
			OSHA ID 174 SG	
			OSHA ID-113	
			OSHA ID-182	
			OSHA ID-190	
			OSHA ID-202	
	OSHA ID-214			
	OSHA PV 2119			
	OSHA PV2115			
	Liquid Chromatography	HPLC/FL	NIOSH 5506	
			OSHA 34	
			OSHA 42	
			OSHA 47	
		OSHA PV2092		
		HPLC/UV	EPA 0100	
EPA 8315A				
MA-195			Determination of Benzoic Acid	
NIOSH 2016				



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	NIOSH 2532	
			NIOSH 3512	
			NIOSH 5001	
			NIOSH 5003	
			NIOSH 5004	
			NIOSH 5005	
			NIOSH 5009	
			NIOSH 5033	
			NIOSH 5601	
			OSHA 1007	
			OSHA 108	
			OSHA 55	
			OSHA 60	
			OSHA 87	
			OSHA PV2004	
			OSHA PV2005	
			OSHA PV2017	
			OSHA PV2018	
OSHA PV2111				
Spectrometry Core	Inductively-Coupled Plasma	ICP/AES	NIOSH 6009 Modified	
			NIOSH 7301	
			NIOSH 7303	
			OSHA 1003	
	UV/VIS (Colorimetric)		MA-85	Determination of Perchloric Acid in Air
			NIOSH 3506	
			NIOSH 3508	
			NIOSH 6014	
			NIOSH 7600	
			NIOSH 76-170	Criteria for a Recommended Standard: Occupational Exposure to Chlorine
	Infrared		OSHA 1019	
			OSHA VI	
			MDHS 14/4	
			NIOSH 5026	
Miscellaneous Core	Gravimetric		MDHS 14/4	
			MDHS 47/3	
			NIOSH 0500	



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Miscellaneous Core	Gravimetric		NIOSH 0501	
			NIOSH 0600	
			NIOSH 5000	
			NIOSH 5023	
			NIOSH 5042	
			NIOSH 5524	
	Ion-selective electrode (ISE)		OSHA 58	
			NIOSH 7904	
			OSHA ID-101	

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