



May 31, 2018

Laboratory ID: 102800

Julia Delcolli
SGS DO BRASIL LTDA
R. Silva Jardim, nº 251 - Centro
São Bernardo do Campo, OTH CEP Brazil 09715 090

Dear Ms. Delcolli:

Congratulations! The AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC's Analytical Accreditation Board (AAB) has approved SGS DO BRASIL 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.

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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R4 01/24/2018

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August 31, 2018

Lab ID: 102800

Julia Delcolli
SGS DO BRASIL LTDA
R. Silva Jardim, nº 251 - Centro
São Bernardo do Campo, S.P. CEP 09715 090

Dear Ms. Delcolli:

Please find attached a revised scope page reflecting the suspension of SGS DO BRASIL LTDA for ICP/AES FoT. AIHA-LAP, LLC records indicate that SGS DO BRASIL LTDA had a non-proficient rating in the Industrial Hygiene Proficiency Analytical Testing (IHPAT) Program at the close of round 214.

In order for the suspension to be removed, proficiency must be re-established. A laboratory is rated proficient for the associated FoT/Method (see IHLAP Scope/PT Table) if the laboratory has a passing score for the applicable PT analyte class in two (2) of the last three (3) consecutive PT rounds. Once proficiency is re-established you will be sent an updated scope page.

Until you regain proficiency, please remember Policy 2A.7.8.5 which states *“If the laboratory chooses to include a reference to their AIHA-LAP, LLC accreditation (symbol or accreditation number) on their test report, any test results not covered under AIHA-LAP, LLC accreditation shall be clearly identified on the final test report”* for those FoTs that are not proficient.

If you have any questions, please contact Lena Bulgakova, Accreditation Manager, at (703) 846-0792.

Sincerely,

Olena Bulgakova
Accreditation Manager
AIHA-LAP, LLC



AIHA Laboratory Accreditation Programs, LLC

acknowledges that

SGS DO BRASIL LTDA

R. Silva Jardim, nº 251 – Centro, São Bernardo do Campo, Brazil S.P. CEP 09715 090

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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

- | | |
|---|--------------------------------------|
| <input checked="" type="checkbox"/> INDUSTRIAL HYGIENE | Accreditation Expires: June 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.

Elizabeth Bair

Elizabeth Bair
Chairperson, Analytical Accreditation Board

Cheryl O. Morton

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



AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

SGS DO BRASIL LTDA

R. Silva Jardim, nº 251 – Centro, São Bernardo do Campo, Brazil S.P. CEP 09715 090

Laboratory ID: **102800**

Issue Date: 08/31/2018

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: 02/01/2002

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	10-07	Volatile Organic Compounds from paint solvents, varnishes and glues in the air by gas chromatography/ Butyl Acetate/ Ethyl Acetate/ Isoamyl Acetate/ Butyl Ether Acetate of MEG/ Ethyl Ether Acetate of MEG/ Acetone/ Benzene/ n-Butyl Alcohol/ Cyclohexanone/ Cumene/ Diacetone Alcohol/ Estyrene/ Ethanol/ Butyl Ether of MEG/ Ethyl Ether of MEG/ Ethylbenzene/ Isobutyl Alcohol/ Isophorone/ Isopropyl Alcohol/ Methyl Ethyl Ketone/ Methyl Isobutyl Ketone/ n-Hexane/ n-Pentane/ Perchloroethylene/ Tetrahydrofuran/ Toluene/ Trichlorethylene/ o-mp-xylene
			10-22	C1 to C5 hydrocarbons in air/ Propane

Effective: 04/10/2015

102800_Scope_IHLAP_NP Metals_2018_08_31.docx

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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	10-226	Dimethylsulphoxide
			10-271	Monoethylene Glycol Phenyl Ether
			10-319	Dipropylene Glycol Methyl Ether
			10-370	Diethyltoluenediamine
			10-440	Dimethylcyclosiloxanes and Hexamethyldisiloxane
			NIOSH 1001	
			NIOSH 1003	
			NIOSH 1005	
			NIOSH 1006	
			NIOSH 1007	
			NIOSH 1010	
			NIOSH 1015	
			NIOSH 1018	
			NIOSH 1019	
			NIOSH 1020	
			NIOSH 1024	
			NIOSH 1300	
			NIOSH 1302	
			NIOSH 1400	
			NIOSH 1401	
			NIOSH 1402	
			NIOSH 1403	
			NIOSH 1450	
			NIOSH 1451	
			NIOSH 1453	
			NIOSH 1454	
			NIOSH 1457	
			NIOSH 1458	
			NIOSH 1459	
			NIOSH 1500	
NIOSH 1501				
NIOSH 1550				
NIOSH 1551				
NIOSH 1552				
NIOSH 1602				
NIOSH 1603				
NIOSH 1604				



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 1606	
			NIOSH 1610	
			NIOSH 1611	
			NIOSH 1612	
			NIOSH 1613	
			NIOSH 1615	
			NIOSH 2000	
			NIOSH 2002	
			NIOSH 2004	
			NIOSH 2005	
			NIOSH 2010	
			NIOSH 2013	
			NIOSH 2500	
			NIOSH 2505	
			NIOSH 2529	
			NIOSH 2537	
			NIOSH 2546	
			NIOSH 5020	
			NIOSH 5515	
			NIOSH 5523	
			NIOSH 5701	
			NIOSH S-147	
			NIOSH S-150	
			OSHA 113	
			OSHA 2168	
			OSHA 48	
			OSHA 91	
			OSHA 99	
			OSHA ID-210	
			OSHA PV2003	
OSHA PV2009				
OSHA PV2016				
OSHA PV2022				
OSHA PV2040				
OSHA PV2041				
OSHA PV2047				
OSHA PV2060				
OSHA PV2091				
OSHA PV2095				
OSHA PV2101				



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Chromatography Core	Gas Chromatography	GC/FID	OSHA PV2108	
			OSHA PV2118	
		GC/TCD	10-382	Determination of Hydrogen
			10-386	Helium
			NIOSH 6603 Modified	
		GC/ECD	10-221	Hexachlorobenzene
			10-441	Nitrous Oxide
			NIOSH 1614 Modified	
			NIOSH 2543	
			NIOSH 5502 Modified	
			NIOSH 5517	
			NIOSH 5519 Modified	
			NIOSH S-274	
			NIOSH S283	
			OSHA 10	
			OSHA 295	
			OSHA 65	
			OSHA PV2023	
			OSHA PV2088	
		OSHA PV2089		
		GC/FPD	10-215	Dimethyl Sulfide
			NIOSH 1600	
			NIOSH 2542	
			NIOSH 5034	
			NIOSH 5600	
			NIOSH 7905	
			OSHA D651	
	OSHA PV2113			
	GC/MS	10-368	N,N-Dimethylcyclohexylamine	
		EPA TO-17		
NIOSH 2549				
Gas Chromatography (Diffusive Samplers)		10-11	2-Butoxyethanol Acetate / 2-Ethoxyethanol Acetate / Ethyl Acetate / Isoamyl Acetate / Amyl Acetate / 2-Pentyl Acetate / terc-Amyl Acetate / 2-Methyl Butyl Acetate / 1-Ethyl Propyl Acetate /	



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>
<p align="center">Chromatography Core</p>	<p align="center">Gas Chromatography (Diffusive Samplers)</p>		<p align="center">10-11</p>	<p>Isobutyl Acetate / Isopropyl Acetate / Methyl Acetate / Methoxyethanol Acetate / N-Amyl Acetate / n-Butyl Acetate / n-Propyl Acetate / sec-Butyl Acetate / Vinyl Acetate / Acetone / Acetonitrile / Butyl Acrylate / Ethyl Acrylate / Isooctyl Acrylate / Methyl Acrylate / Acrylonitrile / Turpentine / Furfuryl Alcohol / Alpha-Methyl Styrene / Benzene / Bromoform / sec-Butanol / tert-Butanol / 2-Butoxyethanol / Cyclohexane / Cyclohexanone / Cyclopentane / Benzyl Chloride / Methylene Chloride / Vinyl chloride / Chlorobenzene / Chloroform / Cumene / Diacetone Alcohol / cis-1,2-Dichloroethylene / trans-1,2-Dichloroethylene / p-Dichlorobenzene / 1,1-Dichloroethane / 1,2-Dichloroethane / Dimethylformamide / 1,4-Dioxane / Epichlorohydrin / Styrene / Ethanol / Ethyl Ether / Phenylether / Dipropylene glycol methyl ether / Ethyl Benzene / 2-Ethoxy Ethanol / Gasoline / n-Heptane / 2,2-Dimethylpentane / 2,3-Dimethylpentane / 2,4-Dimethylpentane / 2-Methylhexane / 3-Methylhexane / n-Hexane</p>



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)		10-11	/ 2,2-Dimethyl Butane / 2,3-Dimethyl Butane / 2-Methyl Pentane / Isobutanol / Isophorone / Isopentanol / Isopropanol / Methyl Methacrylate / Methyl ethyl ketone / Methyl Isobutyl Carbinol / Methyl Isobutyl Ketone / Methyl Tercyl Butyl Ether / Methoxy Propanol / 2-Methoxyethanol / n-Butanol / Nonane / n-Propanol / Octane / Propylene Oxide / n-Pentane / 2-Methyl Butane / 2,2-Dimethyl Propane / Perchlorethylene / Kerosene / Carbon Tetrachloride / 1,1,2,2-Tetrachloroethane / Tetrahydrofuran / Toluene / 1,1,1-Trichloroethane / 1,1,2-Trichloroethane / Trichlorethylene / 1,2,3-Trimethylbenzene / 1,2,4-Trimethylbenzene / 1,3,5-Trimethylbenzene / Vinyltoluene / o, m and p-Xylene	
				NIOSH 1010	
				10-39	Thionyl Chloride
				10-547	Persulfate
				10-635	Inorganic Acids
				NIOSH 2011	
				NIOSH 3509	
				NIOSH 6004	
				NIOSH 6005	
				NIOSH 6011	
				NIOSH 6013	
				NIOSH 6016	
				NIOSH 7906	
				NIOSH 7907	
NIOSH 7908					
Ion Chromatography (IC)					



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	Ion Chromatography (IC)		OSHA 1008	
			OSHA ID-113 Modified	
			OSHA ID-186SG	
			OSHA ID-188	
			OSHA ID-202	
			OSHA ID-214	
			OSHA PV2115	
	Liquid Chromatography	HPLC/FL	NIOSH 5506	
			OSHA ORG 042	
			OSHA ORG 047	
			OSHA PV2067 Modified	
		HPLC/UV	10-25	Determination of Fipronil in Air
			10-273	Kathon
			10-392	Adipic Acid
			10-427	Clonidine Hydrochloride
			10-429	Meloxicam
			EPA 0100	
			EPA 8315	
			NIOSH 2016	
			NIOSH 2532	
			NIOSH 2540	
			NIOSH 333	
			NIOSH 3512	
			NIOSH 5001	
			NIOSH 5002	
			NIOSH 5004	
			NIOSH 5009	
			NIOSH 5029	
			NIOSH 5033	
			NIOSH 5521	
			NIOSH 5601	
			NIOSH 5700	
			NIOSH S179	
			OSHA 1007	
			OSHA 108	
			OSHA 40	
OSHA 55				
OSHA 60				
OSHA 87				
OSHA PV2004				



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	OSHA PV2005	
			OSHA PV2012	
			OSHA PV2018	
			OSHA PV2034	
			OSHA PV2092	
			OSHA PV2111	
Spectrometry Core	Atomic Absorption	CVAA	NIOSH 6009	
	UV/VIS (Colorimetric)		OSHA ID-145	
			10-399	NIOSH S 4
			10-449	Hydrogen Peroxide in House
			NIOSH 3500	
			NIOSH 3506	
			NIOSH 3508	
			NIOSH 6014	
			NIOSH 6402	
			NIOSH 7600	
			OSHA ID 115-SG	
	OSHA ID-205			
	Infrared		NIOSH 5026	
			NIOSH 7602	
Miscellaneous Core	Gravimetric		DHHS (NIOSH) n75-118	
			MDHS 14/4 Modified	
			MDHS 47/2	
			NIOSH 0500	
			NIOSH 0600	
			NIOSH 5000	
			NIOSH 5042	
			NIOSH 5524	
	OSHA 58			
	Ion-selective electrode (ISE)		NIOSH 7902	
			NIOSH 7904	
OSHA ID-101				
Pharmaceutical Testing	Liquid Chromatography	HPLC/ FL	10-312	Ergotamine Tartrate
			10-446	B-Estradiol
		HPLC/ UV	10-184	Isosorbide Mononitrate
			10-185	Diamox
			10-186	Pseudoephedrine Hydrochloride



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>
Pharmaceutical Testing	Liquid Chromatography	HPLC/ UV	10-187	Venlafaxine Hydrochloride
			10-188	Primidona
			10-190	Ibuprofen
			10-192	Lorazepam
			10-193	Brompheniramine Maleate
			10-26	Dipyron
			10-294	Carvedilol
			10-309	Hyoscyamine Sulfate
			10-324	Trimegestone
			10-325	Beta-Estradiol
			10-343	Ethinyl Estradiol
			10-344	Gestodeno
			10-345	Levonorgestrel
			10-346	Medroxyprogesterone Acetate
			10-348	Conjugated Estrogens
			10-349	Tigecycline
			10-361	Diflunisal
			10-373	Rapamycin
			10-376	Glipside
			10-379	Niacin
			10-427	Clonidine Hydrochloride
			10-428	Bisacodyl
			10-456	Tianfenicol
			10-457	Cobamamide and Ciproptadine Hydrochloride
			10-482	Ivermectin
			10-490	Fluoxetine Hydrochloride
			10-628	Bamifiline Chloridrate
			10-629	Manidipine Chloridrate
10-631	Beclomethasone dipropionate			
IT.10-521	Diltiazem Hydrochloride			

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