



# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **AGQ LAMBDA S.A.**

50 MTS NORTE Y 75 MTS OESTE DE LA ESCUELA REPÚBLICA DOMINICANA  
SAN FRANCISCO DE DOS RÍOS, SAN JOSÉ, 10106, REPUBLIC OF COSTA RICA

### **Testing Laboratory TL-1036**

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date January 27, 2022



A handwritten signature in black ink, reading 'Rey Nathan'.

**President**

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

## AGQ LAMBDA S.A.

[www.agqlabs.cr](http://www.agqlabs.cr)

**Contact Name** Jeisson Cardenas Miranda

**Contact Phone** +506-22861168

*Accredited to ISO/IEC 17025:2017*

*Effective Date January 27, 2022*

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
FOOD-MICROBIOLOGY	Food, feed and surfaces	Escherichia coli	IT-345 Based on AOAC 991.14, AOAC 998.08, AOAC 986.33, AOAC 989.10
		Total coliforms	IT-345 Based on AOAC 991.14, AOAC 998.08, AOAC 986.33, AOAC 989.10
		Fecal coliforms	IT-345 Based on AFNOR 3M01/2-09/89C
		Staphylococcus aureus	IT-343 Based on AOAC 2003.07, AOAC 2003.08, AOAC 2003.11
		Aerobic plate count	IT-344 Based on AOAC 990.12
		Yeast and molds	IT-342 Based on AOAC 997.02
		Salmonella spp.	IT-392 Based on Vidas @ UP Salmonella SPT
		Listeria spp.	IT-393 Based on Vidas @ UP Listeria LPT
FOOD-INORGANIC	Food, feed	Ash	IT-328 Based on ISO 936, AOAC 942.05
		Moisture	IT-333 Based on AOAC 925.45
		Crude Protein	IT-335 Combustion method Based on AOAC 990.3, AOAC 992.15
		Total Fat	IT-332 Based on ISO 1443
		Total dietary	IT-330 Based on AOAC 993.21
		Total sugar	IT-327 Based on BOE- A - 1979-21118
		Carbohydrates (US & EU) - by calculation	IT-414 REGLAMENTO (EU) No1169/2011 UE, Food labeling guide FDA - Carbohydrates (US) and (EU)
		Energy (Calories and kilojoules) (US, EU and MX) - by calculation	IT-414 Based on REGLAMENTO (EU)

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
FOOD-INORGANIC (cont'd.)	Food, feed (cont'd.)		No1169/2011 EU, Food labeling guide FDA
		Nutritional and heavy metals: Li, Be, B, Na, Mg, Al, Si, P, S, K, Ca, Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, Se, Sr, Mo, Ag, Sn, Sb, Ba, Tl, As, Cd, Hg, Pb	IT-334 Metals y ICP-MS Based on AOAC Official Method 2015.01 Heavy Metals in Food, Codex Alimentarius CAC/GL 41, Codex Alimentarius Stan 193-1995
ENVIRONMENTAL-INORGANIC	Ground waters, surface waters, drinking waters, wastewaters, seawaters	Metals: Al, Sb, As, Ba, B, Ca, Cd, Cr, Cu, Pb, Fe, Mg, Mn, Hg, Sn, Ni, Se, Ag, K, Na, Zn	IT-399 Metals by ICP-MS Based on SMEWW-APHA-AWWA-WEF 3125 B.; U.S. EPA Method 6020B (SW-846) and 200.8.
	Soils, sediments, sludges and residues	Metals: Al, Sb, As, Ba, B, Ca, Cd, Cr, Cu, Pb, Fe, Mg, Mn, Hg, Sn, Ni, Se, Ag, K, Na, Zn.	IT-399 Metals by ICP-MS Based on SMEWW-APHA-AWWA-WEF 3125 B.; U.S. EPA Method 6020B (SW-846) and 200.8.
	Ground waters, surface waters, drinking waters, wastewaters, seawater	Total Suspended Solids	IT-371: SMEWW-APHA-AWWA-WEF 2540 D: Gravimetry
		Total Solids	IT-368: SMEWW-APHA-AWWA-WEF 2540 B: Gravimetry
		Total Dissolved Solids	IT-369: SMEWW-APHA-AWWA-WEF 2540 C Gravimetry
		Settleable Solids by	IT-370: SMEWW-APHA-AWWA-WEF 2540 F: Volumetry
		Turbidity	IT-376: SMEWW-APHA-AWWA-WEF 2130 B: Nephelometry
		Anionic surfactants as MBAS	IT-375: SMEWW-APHA-AWWA-WEF 5540 C: Spectrophotometry
	Ground waters, surface waters, wastewaters, seawater	Total COD & Dissolved COD	IT-367: SMEWW-APHA-AWWA-WEF 5220 D: Closed reflux, colorimetry
		Oils & Grease	IT-374: SMEWW-APHA-AWWA-WEF 5520 B: Liquid-Liquid partition-Gravimetry
ENVIRONMENTAL-INORGANIC	Ground waters, surface waters, drinking waters,	Sampling (Grab and composite):	PICR-211: SMEWW-APHA-AWWA-WEF

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<b>FIELDS OF TESTING</b>	<b>MATERIAL/ MATRIX</b>	<b>DETERMINANT(S)/ ANALYTE(S)</b>	<b>METHOD REFERENCE</b>
Field sampling and Monitoring	wastewaters, seawater		1060 A, B y C: Collection and Preservation of Samples
		pH	IT-378: SMEWW-APHA-AWWA-WEF 4500 H+ B: Electrometry
		Temperature	IT-377: SMEWW-APHA-AWWA-WEF 2550
<b>ENVIRONMENTAL-MICROBIOLOGY</b>	Recreational waters, ground waters, surface waters, drinking waters	Fecal Coliforms, Total Coliforms, Escherichia coli	IT-340: SMEWW-APHA-AWWA-WEF 9222, Membrane Filter Technique for Members of the Coliform Group K; ISO 9308-1:2014 Water quality — Enumeration of Escherichia coli and coliform bacteria — Part 1: Membrane filtration method for waters with low bacterial background flora