



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

INNOVACION Y CONSULTORIA EN TECNOLOGIA Y BIOTECNOLOGIA S.A  
Calle Central S/N, sitio 3, Lote 4, Manzana C, Parque Industrial Escuadrón 1,  
Coronel, Región del Biobio, CHILE  
Carlos Sepulveda Toepfer Phone: +56 41 3837 506

CHEMICAL

Valid To: February 28, 2023

Certificate Number: 5980.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on fats, oils, sebum and fatty bodies products; crude, refined, semi-refined acidulated, winterized, deodorizer; and distillates and sludges of animal, vegetable, fish and marine origin for human and non-human consumption:

<u>Test(s)</u>	<u>Test Method(s)</u>
Animal and Vegetable Fats and Oils - Analysis of Fatty Acid Methyl Esters by Gas Chromatography	NCh2550:2001 ISO5508:1990
Animal and vegetable Fats and Oils - Determination of Anisidine Value	ISO 6885:2016
Animal and Vegetable Fats and Oils - Determination of Peroxide Value - By Iodometric (Visual) Endpoint Determination	NCh105:2018
Fatty Acid Composition of Marine Oils by GLC: C4:0 Butyric acid C6:0 Caproic acid C8:0 Caprylic acid C10:0 Capric acid C11:0 Undecanoic acid C12:0 Lauric acid C13:0 Tridecanoic acid C14:0 Myristic acid C14:1 Myristoleic acid C15:0 Pentadecanoic acid C15:1 cis-10-Pentadecenoic acid C16:0 Palmitic acid C16:1 Palmitoleic acid C16:2n4 cis-9,12-Hexadecadienoic acid C16:3n4 cis-9,12,15-Hexadecatrienoic acid C16:4n1 cis-6,9,12,15-Hexadecatetraenoic acid C17:0 Heptadecanoic acid C17:1 cis-10-Heptadecenoic acid C18:0 Stearic acid	AOCS Ce 1b-89:2017

C18:1n7	cis-11-Octadecanoic acid	
C18:1n9 (c+t)	Oleic + Elaidic acids	
C18:2n6 (c+t)	Linoleic + Linoelaidic acids	
C18:3n3	$\alpha$ -Linolenic acid	
C18:3n4	cis-9,11,14-Octadecatrienoic acid	
C18:3n6	$\gamma$ -Linolenic acid	
C18:4n3	cis-6,9,12,15-Octadecatetraenoic acid	
C20:0	Arachidic acid	
C20:1n7	Paullinic acid	
C20:1n9	Gondoic acid	
C20:1n11	Gadoleic acid	
C20:2n6	cis-11,14-Eicosadienoic acid	
C20:3n3	cis-11,14,17-Eicosatrienoic acid	
C20:3n6	cis-8,11,14-Eicosatrienoic acid	
C20:4n3	cis-8,11,14,17-Eicosatetraenoic acid	
C20:4n6	Arachidonic acid	
C20:5n3	cis-5,8,11,14,17-Eicosapentaenoic acid (EPA)	
C21:0	Henicosanoic acid	
C22:0	Bahenic acid	
C22:1n9	Erucic acid	
C22:1n11	Cetoleic acid	
C22:2n6	cis-13,16-Docosadienoic acid	
C22:4n6	cis-7,10,13,16-Docosatetraenoic acid	
C22:5n3	cis-7,10,13,16,19-Docosapentaenoic acid (DPA)	
C22:5n6	cis-4,7,10,13,16-Docosapentaenoic acid	
C22:6n3	cis-4,7,10,13,16,19-Docosahexaenoic acid (DHA)	
C23:0	Tricosanoic acid	
C24:0	Lignoceric acid	
C24:1n9	Nervonic acid	
Fatty Bodies of Animal and Vegetable Origin - Determination of Soap in Refined Oil		NCh1607.Of80
Fatty Bodies of Animal and Vegetable Origin - Determination of The Iodine Index		NCh93. Of80
Fatty Bodies of Animal and Vegetable Origin - Part 2: Determination of Humidity and Volatile Materials		NCh100/2/Of81
Fatty Bodies - Method to Determine the Percentage of Unsaponifiable Materials		NCh99.Of56
Fatty Bodies - Method to Determine the Saponification Index		NCh96.Of56
Fish Oil - Determination of Free Fatty Acids		NCh2759:2002
Fish Oil - Determination of Soap		NCh2765:2002
Fish Oil - Determination of The Content of Insoluble Impurities		NCh2744:2002

Free Fatty Acids in Crude and Refined Fats and Oil	AOCS Ca 5a-40:2017
Insoluble Impurities in Fats and Oils	AOCS Ca 3a-46:2017
Iodine Value of Fats and Oils by Cyclohexane-Acetic Acid Method	AOCS Cd 1d-92:2017
Moisture and Volatile Matter in Animal and Vegetable Fats by Air Oven Method	AOCS Ca 2c-25:2017
Moisture and Volatile Matter in Butter, Fats, Margarines, and Oils by Hot Plate Method	AOCS Ca 2b-38:2017
p-Anisidine Value	AOCS Cd 18-90:2017
Peroxide Value, Acetic Acid by Isooctane Method	AOCS Cd 8b-90:2017
Preparation of Methyl Esters of Fatty Acids	AOCS Ce 2-66:2017
Saponification Value of Fats and Oils	AOCS Cd 3-25:2017
Saturated, cis-Monounsaturated, and cis-Polyunsaturated Fatty Acids in Marine and Other Oils Containing Long Chain Polyunsaturated Fatty Acids (PUFAs) by Capillary Gas Liquid Chromatography: C4:0 Butyric acid C6:0 Caproic acid C8:0 Caprylic acid C10:0 Capric acid C11:0 Undecanoic acid C12:0 Lauric acid C13:0 Tridecanoic acid C14:0 Myristic acid C14:1 Myristoleic acid C15:0 Pentadecanoic acid C15:1 cis-10-Pentadecenoic acid C16:0 Palmitic acid C16:1 Palmitoleic acid C16:2n4 cis-9,12-Hexadecadienoic acid C16:3n4 cis-9,12,15-Hexadecatrienoic acid C16:4n1 cis-6,9,12,15-Hexadecatetraenoic acid C17:0 Heptadecanoic acid C17:1 cis-10-Heptadecenoic acid C18:0 Stearic acid C18:1n7 cis-11-Octadecanoic acid C18:1n9 (c+t) Oleic + Elaidic acids C18:2n6 (c+t) Linoleic + Linoelaidic acids C18:3n3 $\alpha$ -Linolenic acid C18:3n4 cis-9,11,14-Octadecatrienoic acid C18:3n6 $\gamma$ -Linolenic acid C18:4n3 cis-6,9,12,15-Octadecatetraenoic acid C20:0 Arachidic acid	AOCS Ce 1i-07:2017

C20:1n7	Paullinic acid	
C20:1n9	Gondoic acid	
C20:1n11	Gadoleic acid	
C20:2n6	cis-11,14-Eicosadienoic acid	
C20:3n3	cis-11,14,17-Eicosatrienoic acid	
C20:3n6	cis-8,11,14-Eicosatrienoic acid	
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C21:0	Henicosanoic acid	
C22:0	Bahenic acid	
C22:1n9	Erucic acid	
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C22:5n6	cis-4,7,10,13,16-Docosapentaenoic acid	
C22:6n3	cis-4,7,10,13,16,19-Docosaheptaenoic acid (DHA)	
C23:0	Tricosanoic acid	
C24:0	Lignoceric acid	
C24:1n9	Nervonic acid	
Soap in Oil by Titrimetric Method		AOCS Cc 17-95:2017
Unsaponifiable Matter by High Level Method		AOCS Ca 6b-53:2017



## Accredited Laboratory

A2LA has accredited

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Coronel, CHILE

for technical competence in the field of

## Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 11<sup>th</sup> day of February 2021.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 5980.01  
Valid to February 28, 2023

*For the tests to which this accreditation applies, please refer to the laboratory's Chemical Scope of Accreditation.*