



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ALS FOOD CHILE S.A.
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CHEMICAL

Valid To: November 30, 2026

Certificate Number: 4057.04

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on foods, fish oil, animal and vegetable fats and oils, fishmeal, fish, fish feed, animal by-products meals, animal and fish hydrolysate, vegetables meals, and seafood products:

<u>Test/Matrix</u>	<u>Internal Method</u>	<u>Reference Method</u>
Anisidine (Spectrophotometry) In Fish Oil, Animal and Vegetable Fats, and Oils	ISO 6885:2016	ISO 6885:2016
Antioxidant BHT (HPLC) Hydrobiological Products	CQ-QCA-181-T	AOAC 983.15 (1994)
Antioxidant TBHQ, BHA, and BHT (HPLC) In Fish Oil	CQ-QCA-195-T	AOAC 983.15 (1994)
Fat In Fishmeal, Animal By-products Meals, Animal and Fish Hydrolysate, Vegetables Meals, Fish Feed, Fish and Foods	ISO 6492:1999 modified	ISO 6492:1999
Fiber In Processable Residue, Cereals, Flours, Feed, Food, Fibrous Materials, and Pet Food	AOAC 978.10 (1994) modified	AOAC 978.10 (1994)
Fluoride (Ion-Selective Electrode) In Fishmeal, Animal Meals, and Fish Oil	CQ-QCA-196-T	Determination of fluoride in food by the use of alkali fusion and fluoride ion- selective electrode, Food Chemistry 73 (2001) 373-379

<u>Test/Matrix</u>	<u>Internal Method</u>	<u>Reference Method</u>
Free Fatty Acids (FFA) In Fishmeal, Animal By-products Meals, Animal and Fish Hydrolysate, Vegetables Meals, Fish Feed, and Foods	AOCS Official Method Ca 5a-40 (reapproved 2024) modified	AOCS Official Method Ca 5a-40 (reapproved 2024)
Free Fatty Acids (FFA) In Fish Oil, Animal and Vegetable Fats, and Oils	AOCS Official Method Ca 5a-40 (reapproved 2024)	AOCS Official Method Ca 5a-40 (reapproved 2024)
Gardner Color In Fish Oil, Animal and Vegetable Fats, and Oils	AOCS Official Method Td 1a-64 (reapproved 2024)	AOCS Official Method Td 1a-64 (reapproved 2024)
Histamine (HPLC) In Fishmeal, Fish, and Seafood Products	CQ-QCA-100-T/01	NCh 2637.Of2001
Insoluble Impurities In Fish Oil, Animal and Vegetable Fats, and Oils	AOCS Official Method Ca 3a-46 (revised 2024)	AOCS Official Method Ca 3a-46 (revised 2024)
Iodine Index (Wijs Method) In Fish Oil, Animal and Vegetable Fats, and Oils	AOAC Official Method 993.20 (1996)	AOAC Official Method 993.20 (1996)
Moisture In Fishmeal, Animal By-products Meals, Animal and Fish Hydrolysate, Vegetables Meals, Fish Feed, Fish, and Foods	ISO 6496:1999	ISO 6496:1999
Moisture In Fish Oil, Animal and Vegetable Fats, and Oils	AOCS Official Method Ca 2a-45 (reapproved 2024)	AOCS Official Method Ca 2a-45 (reapproved 2024)
Peroxide Index In Fishmeal, Animal By-products Meals, Animal and Fish Hydrolysate, Vegetables Meals, Fish Feed, and Foods	AOCS Cd 8b-90 (revised 2024) Modified	AOCS Cd 8b-90 (revised 2024)
Peroxide Index In Fish Oil, Animal and Vegetable Fats, and Oils	AOCS Official Method Cd 8b-90 (revised 2024)	AOCS Official Method Cd 8b-90 (revised 2024)
Protein In Fishmeal, Animal By-products Meals, Animal and Fish Hydrolysate, Vegetables Meals, Fish Feed, Fish, and Foods	ISO 5983-2:2009 modified	ISO 5983-2:2009



<u>Test/Matrix</u>	<u>Internal Method</u>	<u>Reference Method</u>
Sand (Insoluble Residue) In Fishmeal	NCh 515.Of80	NCh 515.Of80
Saponification Value Animal and Vegetable Fats and Oils	ISO 3657:2023	ISO 3657:2023
Sodium Chloride (Volhard Method) In Fishmeal, Fish, and Seafood Products	NCh 2739/1.Of2002	NCh 2739/1.Of2002
Total Ashes In Fishmeal, Animal By-products Meals, Animal and Fish Hydrolysate, Vegetables Meals, Fish Feed, Fish, and Foods	ISO 5984:2022	ISO 5984:2022
Total Volatile Basic Nitrogen (TVBN) In Fishmeal, Fish, and Seafood Products	NCh 2668.Of2018	NCh 2668.Of2018
Unsaponifiable Matter In Fish Oil, Animal and Vegetable Fats, and Oils	ISO 18609:2000	ISO 18609:2000

Note: When the date, revision or edition of a test method standard is not identified on the scope of accreditation, the laboratory is required to be using the current version within one year of the date of publication, per Annex A, Part C of A2LA R101 – General Requirements – Accreditation of Conformity Assessment Bodies.





Accredited Laboratory

A2LA has accredited

ALS FOOD CHILE S.A

Talcahuano, Bio Bio Region, 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 27th day of December 2024.

A blue ink signature of Mr. Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4057.04
Valid to November 30, 2026
Revised August 20, 2025

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