



INTERNATIONAL  
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# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **MILAN TESTING LABORATORY**

CHOPIN # 2884 SAN JOAQUÍN  
SANTIAGO, 8940683, CHILE

**Testing Laboratory TL-1042**

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 28, 2026



*International Accreditation Service*  
Issued under the authority of IAS management

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# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 101, Brea, California 92821, U.S.A. | [www.iasonline.org](http://www.iasonline.org)

## MILAN TESTING LABORATORY

[www.milantestinglaboratory.cl](http://www.milantestinglaboratory.cl)

**Contact Name** Maria Isabel Lobos

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*Accredited to ISO/IEC 17025:2017*

*Effective Date January 28, 2026*

FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
Chemistry – Food	Premix/ Animal Feed	Vitamin C monophosphate	<b>INST-VIT C MONOF-03 PX/AL- HPLC UV</b> Determination of Vitamin C Monosphosphate in Premix and Feed. Based on Determination of ascorbic acid equivalents (ROVIMIX® Stay-C®) in feeds and premixes. K. Schäfer, B. Nibali, V1.5. (18.05.2018) DSM
	Premix	Vitamin E Tocopherol acetate	<b>INS-VIT E-02 PX-HPLC UV</b> Determination of Vitamin E Acetate in Premix, Commercial Product and Food. Based on Determination of vitamin A and dl- $\alpha$ tocopheryl acetate in animal premixes. K. Schäfer, B. Nibali, E. Grossenbacher, V1.11. (16.09.2019) DSM
		Vitamin A Acetate	<b>INS-VIT A-04 PX-HPLC UV</b> Determination of Vitamin A Acetate in Premix and Commercial Product. Based on Determination of vitamin A and dl- $\alpha$ tocopheryl acetate in animal premixes. K. Schäfer, B. Nibali, E. Grossenbacher, V1.11. (16.09.2019) DSM
		Vitamin D3	<b>INST –VIT D3-05 PX-HPLC UV</b> Determination of Vitamin D3 in Premix and Commercial Product. Based on Determination of vitamin D3 in premix. K. Schäfer, V 1.2. (06.01.2016) DSM

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FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
Chemistry – Food (cont'd.)	Premix (cont'd.)	Vitamin B1 Vitamin B2	<b>INST-VIT B1 B2-14 PX-HPLC FLUO/UV</b> Determination of water-soluble vitamins B1 and B2 in premix and commercial product. Based on Determination of B vitamins (B1, B2, B6, folic acid, nicotinic acid, nicotinamide) in premixes. K. Schäfer, B. Kessler, S. Thommen, V1.5. (07.08.2012) DSM
	Animal Feed / Food / Premix	Astaxanthin	<b>INST-ASTA-01 PX/AL HPLC VIS</b> Determination of Astaxanthin in Fish Feed and Premix. Based on Determination of Carophyll Pink astaxanthin in dilutions, premix and fish feeds. J. Schierle, C.frey, V.Riegert, Version 1.9. (06.01.2016) DSM
	Animal Feed / Food	Vitamin A Vitamin D3 Vitamin E	<b>INST-VIT A D3 E- 23 AL HPLC UV/FLU</b> Determination of Vitamin A, D3 and E in Feed and Foods Based on Simultaneous Determination of Fat-Soluble Vitamins A, D and E and Pro-Vitamin D <sub>2</sub> in animal Feed by Analysis one-step extraction and High-Performance Liquid Chromatography. H. Pian, M, Sheng. Journal of Chromatography A, 825 (1998) 127-133.
	Animal Feed / Food	Tryptophane	<b>INST-TRIP-36 PX/AL-HPLC VIS</b> Determination of Tryptophan in Feed and Food. Based on A.O.A.C Official Methods of Analysis 988.15(2005) 18a Edition (Triptófano) Chapter 45 Journal of Chromatography (1982) pág. 499-502



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Chemistry – Food (cont'd.)	Animal Feed / Food	Cysteine and Cystine	<b>INST-CIS-35 PX/AL-HPLC VI</b> Determination of cysteine and cysteine as cysteic acid Based on performic Acid Oxidation, Method 1, AOAC 994.12 Mac Donald et al, 1985
	Animal Feed / Food	Amino acids profile: Aspartic acid Glutamic acid Hydroxyproline Serine Glicine Histidine Arginine Taurine Threonine Alanine Proline Tyrosine Valine Methionine Isoleucine Leucine Phenylalanine Lysine	<b>INST-AAL-18 AL-HPLC UV</b> Determination of Amino acids. Based on a New Rapid High-Sensitivty Analysis of Aminoacids in Foods Type Samples (Bidlingmeyer et al: J. Assoc. off Anal. Chem (Vol. 70 N°2, 1987) Pag. 241-247. Hydrolysis: A.O.A.C. official methods of analisis (1995) Alternativa III Supplement March Review 1998
	Animal Feed / Food / Premix	Ascorbic Acid	<b>INST-ASCOR-26 PC/PX/AL-HPLC UV</b> Determination of Ascorbic Ácid in Premix/ Food/ Feed by HPLC UV Based on Food Chemicals Codex FCC 6th Edition, page 67, 2008-2009 and Determination of ascorbic acid equivalents (ROVIMIX® Stay-C®) in feeds and premixes. K. Schäfer, B. Nibali, V1.5. (18.05.2018) DSM
	Animal Feed / Food / Premix	Caffeine	<b>INST-CAFEIN-92 PC/PX / AL-HPLC VIS</b> Determination of caffeine in Premix/ Food/ Feed by HPLC UV Based on INTE/ISO 20481:2019 Coffee and coffee products. Determination of caffeine content using high-performance liquid chromatography. (HPLC) and AOAC 979.08-1984.



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Chemistry – Food (cont'd.)	Animal Feed / Food / Premix (cont'd.)	Caffeine (cont'd.)	Benzote, caffeine and saccharin in carbonated beverages
	Animal Feed / Food / Premix / Oils	Antioxidant profile: BHT, BHA, TBHQ, ETOX	<b>INST-BHT BHA TBHQ PG ETOX-15 AL/PX/AC-HPLC UV/FLUO</b> Determination of antioxidant profile in Oils/Premix/Food/ Feed by HPLC /UV/VIS Based on A.O.A.C, Phenolic Antioxidants in Oils, Fats and butter Oil, 983.15, 18th, 2005.
	Animal Feed / Food / Oils	Fatty acids profile: C4:0 Butirico C6:0 Caproico C14:0 Miristico C15:0 Pentadecanoico C16:0 Palmitico C17:0 Margarico C18:0 Estearico C18:1W9 Oleico C18:2W6 Linoleico C18:2T Linolelaidico trans C18:3W3 Linolenico C18:3W6 g-Linolenico C20:0 Araquidico C20:2 Eicodienoico C20:4W6 Arachidonico C20:5W3 EPA C22:4 Docosatetraenoico C22:5W3 Docosapentaenoico C22:6W3 DHA C24:0 Lignocerico	<b>INST-PAG -68 AL/AC-GC FID</b> Determination of fatty acids profile in Oils/Food/ Feed Based A.O.A.C Official Methods of Analysis 969.33 Fatty Acids in Oils and Fats.” Supplement March 1997
	Animal Feed / Food	Sugar profile : Fructose, Galactose, Glucose, Inositol, Sucrose, Lactose, Maltose_	<b>INST-PERF AZUC-93 PC PX / AL-GC FID</b> Determination of sugar in Food/Feed by GC GC FID. Based on A.O.A.C. Official Methods of Analysis 971.18-1980 Carbohydrates in fruit: Gas chromatography. A.O.A.C. 984.15 Official Methods of Analysis Lactose in milk.