



INTERNATIONAL  
ACCREDITATION  
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# CERTIFICATE OF ACCREDITATION

*This is to attest that*

## **INTERTEK CHILE**

SANTA BERNARDITA 12005 BODEGA C14 SAN BERNARDO  
SANTIAGO, 8060794, CHILE

### **Testing Laboratory TL-898**

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.

Expiry Date February 1, 2026  
Effective Date March 12, 2024



A handwritten signature in black ink, reading "Raj Nathan".

**President**

# SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

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## INTERTEK CHILE

[www.intertek.com](http://www.intertek.com)

**Contact Name** Reinaldo Ramos

**Contact Phone** +56 934135800

*Accredited to ISO/IEC 17025:2017*

*Effective Date March 12, 2024*

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
CHEMISTRY- Food	Seafood (fish, shrimp), Livestock products (tissues and organs of pig, chicken, turkey, cattle, rabbit), dairy products. and food for human consumption, Milk; fish meal, flour of avian origin (feathers, visors and hemoglobin), pork flour, pork hemoglobin, oils, blood meal; and feed.	<p><b><u>Quinolones:</u></b> Ciprofloxacin; Danofloxacin; Oxolinic acid; Sarafloxacin; Flumequine; Norfloxacin; Enrofloxacin.</p> <p><b><u>Sulphonamides:</u></b> Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; sulfamethoxazole; Sulfamerazine; Sulfaquinoxaline; Sulfamethazine; Sulfamethoxypyridazine; Sulfathiazole; Sulfanilamide;</p> <p><b><u>Tetracyclines:</u></b> Oxytetracycline; Doxycycline; Chlortetracycline; Tetracycline</p> <p><b><u>Other drugs:</u></b> Spiramycin; Erythromycin; Lincomycin; Tiamulin; Trimethoprim; Tilmicosin; Tylosin; Neo – Spiramycin.</p>	ILT-IT-CA-04 Determination of Antibiotics Residues in Feed and Food by UHPLCMSMS Based in Analysis of antimicrobial agents in pig feed by liquid chromatography coupled to orbitrap mass spectrometry.K. George, U. Vincent, C. Von Holst. Journal of chromatography A (2013)
	Seafood (fish, shrimp), Livestock products (tissues and organs of pig, chicken, turkey, cattle, rabbit), dairy products. and food for human consumption.	<b><u>Tetracyclines Epimers:</u></b> 4 -Epioxytetracycline; 4-Epitetracycline; 4-Epichlortetracycline	ILT-IT-CA-04 Determination of Antibiotics Residues in Feed and Food by UHPLCMSMS Based in Analysis of antimicrobial agents in pig feed by liquid chromatography coupled to orbitrap mass spectrometry.K. George, U. Vincent, C. Von Holst. Journal of chromatography A (2013)

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FIELDS OF TESTING	MATERIAL/ MATRIX	DETERMINANT(S)/ ANALYTE(S)	METHOD REFERENCE
<b>CHEMISTRY- Food</b> (cont'd.)	Fish meal, flour of avian origin (feathers, visors and hemoglobin), pork flour, pork hemoglobin, oils, blood meal, Seafood (fish, shrimp) and feed.	<b><u>Penicillins:</u></b> Penicillin G; Amoxicillin	ILT-IT-CA-04 Determination of Antibiotics Residues in Feed and Food by UHPLCMSMS Based Analysis of antimicrobial agents in pig feed by liquid chromatography coupled to orbitrap mass spectrometry.K. George, U. Vincent, C. Von Holst. Journal of chromatography A (2013)
	Seafood (fish, shrimp), Livestock products (tissues and organs of pig, chicken, turkey, cattle, rabbit), dairy products. and food for human consumption, fish meal, flour of avian origin (feathers, visors and hemoglobin), pork flour, pork hemoglobin, oils, blood meal, feed	<b><u>Antiparasitic:</u></b> Emamectin; Abamectin Ivermectin; Teflubenzuron, Diflubenzuron  <b><u>Anphenicols:</u></b> Florfenicol, Chloramphenicol	ILT-IT-CA-03 Determination of Antibiotics and Veterinary Drugs Residues in Feed and Food by UHPLCMSMS Based in Positive and negative electrospray LC-MS-MS methods for quantitation of the antiparasiticendectocide drugs, abamectine, emamectine, eprinomectin, ivermectin, moxidectin and selecmectin in milk. David A. Durden, Journal of Chromatography B, 850 (2007) 134-146
	Seafood (fish, shrimp), Livestock products (tissues and organs of pig, chicken, turkey, cattle, rabbit), dairy products. and food for human consumption.	<b><u>Antiparasitic:</u></b> Eprinomectin; Moxidectin; Doramectin  <b><u>Anphenicols:</u></b> Florfenicol-Amina	ILT-IT-CA-03 Determination of Antibiotics and Veterinary Drugs Residues in Feed and Food by UHPLCMSMS Based in Positive and negative electrospray LC-MS-MS methods for quantitation of the antiparasiticendectocide drugs, abamectine, emamectine, eprinomectin, ivermectin, moxidectin and selecmectin in milk. David A. Durden, Journal of Chromatography B, 850 (2007) 134-146
	Fish meal, flour of avian origin (feathers, visors and hemoglobin), pork flour, pork hemoglobin, oils, blood meal and feed.	<b><u>Coccidiostats:</u></b> Narasin; Diclazuril; Monensin; Halofuginone; Decoquinate; Robenidine; Salinomycin; Maduramycin; Nicarbacin; Lasalocid acid	ILT-IT-CA-03 Determination of Antibiotics and Veterinary Drugs Residues in Feed and Food by UHPLCMSMS Based in Positive and negative electrospray LC-MS-MS methods for quantitation of the antiparasiticendectocide drugs, abamectine, emamectine,

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<b>CHEMISTRY- Food</b> (cont'd.)			eprinomectin, ivermectin, moxidectin and selmecmectin in milk. David A. Durden, Journal of Chromatography B, 850 (2007) 134-146
	Seafood (fish, shrimp), Livestock products (tissues and organs of pig, chicken, turkey, cattle, rabbit), dairy products. and food for human consumption, fish meal, flour of avian origin (feathers, visors and hemoglobin), pork flour, pork hemoglobin, oils, blood meal and feed.	<b><u>Nitrofurans Metabolites:</u></b> 1-aminohydantoine (AHD); 3-amino-5-morfolinomethyl-oxazolidinone (AMOZ); 3-amino-2-oxazolidinone (AOZ); semicarbazide (SEM)	ILT-IT-CA-01 Determination of Nitrofurans Metabolite Residues in Feed and Food by UHPLCMSMS Based in Determination of nitrofurans metabolites in poultry muscle and eggs by liquid chromatography-tandem mass spectrometry. J. Donato, M sucupira, G de Nucci. Journal of Chromatography B 824(2005) 30-35.
	Seafood (fish, shrimp), dairy products. and food for human consumption, fish meal, flour of avian origin (feathers, visors and hemoglobin), pork flour, pork hemoglobin, oils, materials, blood meal and feed.	<b><u>Triarylmethanes Dyes:</u></b> Crystal Violet; Leucocrystal Violet; Malachite Green; Leucomalachite Green; Brilliant Green	ILT-IT-CA-02 Determination of Triarylmethane Dyes Residues in Feed, Food and Materials by UHPLCMSMS Based in Multiresidues method for the triphenylmetane dyes in fish: Malachite green, crystal violet (gentian), and brilliant green. W. Anderson, S. turnipseep, C karbiwnyk, R. Lee, D rowe, M. Madson, K Miller. Analytica Chimica Acta 637 (2009) 279-289
	Water and marine sediment	<b><u>Antiparasitic:</u></b> Cypermethrin; Lufenuron; Hexaflumuron; Deltamethrin; Ivermectin; Emamectin; Diflubenzuron; Teflubenzuron; Azamethiphos	ILT-IT-CA-09 Determination of Antiparasitic Residues in waters, sediments and Seafood by UHPLCMSMS Based in PRODUCT EVALUATION AND ANALYSIS ANTIPARASITARIES IN THE MARINE ENVIRONMENT Chile.FIPA Project No. 2014-42. Dr. Ricardo Barra, Dr. Felipe Tucca, Dr. Gonzalo Mendoza, Dr. Enrique Bay-Schmith, Dr. Cristian Vargas y



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<b>CHEMISTRY- Food</b> (cont'd.)			Ing. Amb. Heriberto Moya. 06-2016
	Food for human consumption, Nuts, seed, and oil, fish meal, flour of avian origin (feathers, visors and hemoglobin), pork flour, pork hemoglobin, oils, blood meal and feed.	<b><u>Mycotoxins:</u></b> Aflatoxins B1; Aflatoxins G1; Aflatoxins B2; Aflatoxins G2; Ochratoxin; Deoxynivalenol; Zearalenone; Diacetoxyscirpenol; HT2 toxin; T2 toxins; Fumonisin B1; Fumonisin B2	ILT-IT-CA-05 Determination of Mycotoxins Residues in Feed and Food by UHPLCMSMS Based in Multiclass analysis of mycotoxins in biscuit by high performances liquid chromatography-tandem mass spectrometry. Comparison of different extraction procedures. A. Capriotti, Ch. Cavaliere, P. Flogia, R. Samperi, S. Stampachiacchiere, S. Ventura, A. Iagana. Journal of chromatography A (2014)
	Milk and Milk derivatives	<b><u>Mycotoxins:</u></b> Aflatoxins M1	ILT-IT-CA-05 Determination of Mycotoxins Residues in Feed and Food by UHPLCMSMS Based in Multiclass analysis of mycotoxins in biscuit by high performances liquid chromatography-tandem mass spectrometry. Comparison of different extraction procedures. A. Capriotti, Ch. Cavaliere, P. Flogia, R. Samperi, S. Stampachiacchiere, S. Ventura, A. Iagana. Journal of chromatography A (2014)
	Food for human consumption. (fruits and juices)	<b><u>Mycotoxins:</u></b> Patulin	ILT-IT-CA-05 Determination of Mycotoxins Residues in Feed and Food by UHPLCMSMS Based in Multiclass analysis of mycotoxins in biscuit by high performances liquid chromatography-tandem mass spectrometry. Comparison of different extraction procedures. A. Capriotti, Ch. Cavaliere, P. Flogia, R. Samperi, S. Stampachiacchiere, S. Ventura, A. Iagana. Journal of chromatography A (2014)
	Seafood (fish, shrimp) and feed.	Lufenuron; Hexaflumuron	ILT-IT-CA-08 Determination of Lufenuron and Hexaflumuron Residues in Seafood and Food by UHPLCMSMS. Based in Pesticides analysis by liquid

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<b>CHEMISTRY- Food</b> (cont'd.)			chromatography and capillary electrophoresis. Lidia María Ravelo-Pérez Javier Hernández-Borges Miguel Ángel Rodríguez-Delgado First published: 20 November 2006
	Fish meal, flour of avian origin (feathers, visors and hemoglobin), pork flour, pork hemoglobin, oils, blood meal and feed and milk	Melamine	ILT-IT-CA-06 Determination of Melamine Residues in Feed and Food by UHPLCMSMS  Based in Determination of cyromazine and melamine in chicken eggs (QUECHERS) extraction coupled with liquid chromatography-tandem mass spectrometry. Pei-Cheng Wang, Ren-Jye Lee, Chung-Yu Chen, Chi-Chung Chou, Maw-Row Lee. Analytica Chimica Acta (2012)
	Seafood (fish, shrimp).	<u><b>Nitroimidazol:</b></u> Dimetridazole; 2-Hydroxymethyl-1-methyl-5-nitro-1H-imidazole (HMMNI); Ronidazole; Metronidazole.	ILT-IT-CA-10 Determination of Nitroimidazoles Residues in Food by UHPLCMSMS Based in Multi-class method for the determination of nitroimidazoles, nitrofurans, and chloramphenicol in chicken muscle and egg by dispersive-solid phase extraction and ultra-high performance liquid chromatography-tandem mass spectrometry. Zhiwen Zhang a,c,1, Yuping Wub,1, Xiaowei Li a, Yingyu Wanga, Hui Li a, Qin Fu a, Yawen Shan a, Tianhe Liu a, Xi Xia a, 26 August 2016