



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, 2025
Effective Date March 12, 2024



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

President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

INTERTEK CHILE

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><u>Quinolones:</u> Ciprofloxacin; Danofloxacin; Oxolinic acid; Sarafloxacin; Flumequine; Norfloxacin; Enrofloxacin.</p> <p><u>Sulphonamides:</u> Sulfachloropyridazine; Sulfadiazine; Sulfadimethoxine; Sulfadoxine; sulfamethoxazole; Sulfamerazine; Sulfaquinoxaline; Sulfamethazine; Sulfamethoxypyridazine; Sulfathiazole; Sulfanilamide;</p> <p><u>Tetracyclines:</u> Oxytetracycline; Doxycycline; Chlortetracycline; Tetracycline</p> <p><u>Other drugs:</u> 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.	<p><u>Tetracyclines Epimers:</u> 4 -Epioxytetracycline; 4-Epitetracycline; 4-Epichlortetracycline</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)

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
CHEMISTRY- Food (cont'd.)	Fish meal, flour of avian origin (feathers, visors and hemoglobin), pork flour, pork hemoglobin, oils, blood meal, Seafood (fish, shrimp) and feed.	Penicillins: 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	Antiparasitic: Emamectin; Abamectin Ivermectin; Teflubenzuron, Diflubenzuron Anphenicols: 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.	Antiparasitic: Eprinomectin; Moxidectin; Doramectin Anphenicols: 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.	Cocciostats: Narasin; Diclazuril; Monensin; Halofuginone; Decoquinone; 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,

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
CHEMISTRY- Food (cont'd.)			eprinomectin, ivermectin, moxidectin and selemectin 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.	Nitrofurans Metabolites: 1-aminohydantoin (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.	Triarylmethanes Dyes: 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	Antiparasitic: 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

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
CHEMISTRY- Food (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.	<u>Mycotoxins:</u> 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	<u>Mycotoxins:</u> 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)	<u>Mycotoxins:</u> 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

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

FIELDS OF TESTING	MATERIAL/MATRIX	DETERMINANT(S)/ANALYTE(S)	METHOD REFERENCE
CHEMISTRY- Food (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>Nitroimidazol:</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