



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Technical Analysis Service, S.A. de C.V.

***Blvd. Plutarco Elías Calles, Lote 6, Manzana 57, Col. Ampliación Burócrata
Guaymas, Sonora, México. C.P. 85428***

*(Hereinafter called the Organization) and hereby declares that Organization is accredited
in accordance with the recognized International Standard:*

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the
operation of a laboratory quality management system
(as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Chemical Testing (As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President/Operations Manager

Initial Accreditation Date:

December 19, 2016

Issue Date:

February 16, 2025

Expiration Date:

March 31, 2027

Accreditation No.:

75787

Certificate No.:

L25-131

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

*The validity of this certificate is maintained through ongoing assessments based on a
continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjilabs.com*



Certificate of Accreditation: Supplement

Technical Analysis Service, S.A. de C.V.

Blvd. Plutarco Elías Calles, Lote 6, Manzana 57, Col. Ampliación Burócrata
Guaymas, Sonora, México. C.P. 85428

Contact Name: Montserrat Martínez Phone: 622-222-9301

Accreditation is granted to the facility to perform the following testing:

FLEX CODE	FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED
F1, F2	Chemical ^F	Fish Flour / Feed Meal for Animals	Moisture (Feed /Meal)	AOAC 930.15	Drying the Mixture from Oven and Weighed in Analytical Balance Analytical Balance, Oven
F1, F2			Ash (Feed/Meal)	AOAC 942.05	Incineration by Muffle Furnace, Analytical Balance
F1, F2			Raw Fat	AOAC 948.04	Acetone Extraction Analytical Balance Oven
F1, F2			Raw Protein	AOAC 990.03	Combustion Method Analytical Balance Leco
F1, F2				AOAC 2001.11	Digestor Block Automated Distiller, Electronic Burette
F1, F2		Fish Oil	Free Fatty Acids	AOCS Ca 5a-40	Determination by Degree, Analytical Balance
F1, F2		Oil Not Contain Volatile Substances	Moisture	AOCS Ca 2a-45	Distillation with Immiscible Solvent Analytical Balance
F1, F2		All Fat and Oils	Peroxide Index	AOCS Cd 8b-90	Isooctane, Analytical Balance
F1, F2		Meals, Flours, Feed Stuff, Fats, Marine and Seed Oils	Insoluble Impurities	AOCS Ca 3a-46	Determines Dirt, Meal, and Other Foreign Substances Insoluble in Kerosene and Petroleum Ether Analytical Balance, Oven, Thermometer
F1, F4			Antioxidant Residual as Ethoxyquin	Determination of Antioxidant Residual as Ethoxyquin (Internal Method)	Spectrophotometer UV-VIS Internal Method, Analytical Balance
F1, F2			Mercury	NOM 117-SSA1 NOM-242-SSA1	Atomic Absorption Spectrophotometer Analytical Balance, Digestion Furnace, Hydride Generator



Certificate of Accreditation: Supplement

Technical Analysis Service, S.A. de C.V.

Blvd. Plutarco Elías Calles, Lote 6, Manzana 57, Col. Ampliación Burócrata
Guaymas, Sonora, México. C.P. 85428

Contact Name: Montserrat Martínez Phone: 622-222-9301

Accreditation is granted to the facility to perform the following testing:

FLEX CODE	FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED
F1, F2	Chemical ^F	Meals, Flours, Feed Stuff, Fats, Marine and Seed Oils	Arsenic	NOM 117-SSA1 NOM-242-SSA1	Atomic Absorption Spectrophotometer Analytical Balance, Digestion Furnace
F1, F2			Cadmium		
F1, F2			Zinc		
F1, F2			Lead		
F1, F2			Chromium	NOM-211-SSA1	

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location.
2. Flex Code:
 - F1-Introduction of the testing of a new item, material, matrix, or product for an accredited test method
 - F2-Introduction of a new version of an accredited standard or method (with no modifications)
 - F3-Introduction of a new parameter/component/analyte to an accredited test method
 - F4- Introduction of a new version or modifications of an accredited non-standard method
 - F5-Introduction of a new method that is equivalent to an accredited method (using same technology or technique)



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificado de Acreditación

Perry Johnson Laboratory Accreditation, Inc. ha evaluado el Laboratorio de:

Technical Analysis Service, S.A. de C.V.
Blvd. Plutarco Elías Calles, Lote 6, Manzana 57, Col. Ampliación Burócrata
Guaymas, Sonora, México. C.P. 85428

(Denominado en lo sucesivo la Organización) y por el presente declara que la Organización está acreditada, de acuerdo con la reconocida norma internacional:

ISO/IEC 17025:2017

Esta acreditación demuestra la competencia técnica en un alcance definido y la operación de un sistema de gestión de la calidad de laboratorio (como se describe en el comunicado conjunto ISO-ILAC-IAF, con fecha de Abril del 2017):

Pruebas Químicas
(Como se detalla en el Suplemento)

Las declaraciones de acreditación para estos servicios de prueba y/o calibración se realizarán únicamente a partir de las direcciones a las que se hace referencia en este certificado. Esta Acreditación se otorga sujeta a las reglas del sistema que rigen la Acreditación mencionada anteriormente, y la Organización se compromete con el deber del organismo de Acreditación de observar y cumplir dichas reglas.

Para PJLA:

Fecha de acreditación Inicial:

Diciembre 19, 2016

Fecha de Emisión:

Febrero 16, 2025

Fecha de Expiración:

vMarzo 31, 2027

No. de Acreditación.:

75787

No. de Certificado:

L25-131

Tracy Szerszen

Presidente/Gerente de
Operaciones

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

La validez de este certificado se mantiene por medio de evaluaciones continuas basadas en un ciclo de acreditación continuo. La validez de este certificado debe confirmarse por medio del portal de PJLA en internet: www.pjllabs.com



Certificado de Acreditación: Suplemento

Technical Analysis Service, S.A. de C.V.

Blvd. Plutarco Elías Calles, Lote 6, Manzana 57, Col. Ampliación Burócrata
Guaymas, Sonora, México. C.P. 85428

Nombre del Contacto: Montserrat Martínez Teléfono: 622-222-9301

Acreditación otorgada a la instalación para desarrollar las siguientes pruebas:

CODIGO FLEXIBLE	FIELD OF TEST	ARTICULOS, MATERIALES Y PRODUCTOS EN PRUEBA	COMPONENTE, CARACTERISTICAS, PARAMETRO BAJO PRUEBA	ESPECIFICACIÓN O MÉTODO ESTANDAR	TECNOLOGIA O TECNICA UTILIZADA
F1, F2	Química ^F	Harina de Pescado/ Pienso para Consumo Animal	Humedad (Alimento/Comida)	AOAC 930.15	Secado Por Horno de Flujo De Aire y Pesaje En Balanza Analítica Balanza Analítica, Horno De Secado
F1, F2			Cenizas (Alimento/Comida)	AOAC 942.05	Incineración Por Horno Mufla, Balanza Analítica
F1, F2			Grasa Cruda	AOAC 948.04	Extracción con Acetona Balanza Analítica, Horno Secado
F1, F2			Proteína Cruda	AOAC 990.03	Método de Combustión Balanza Analítica, Leco
F1, F2				AOAC 2001.11	Destilador Automático con Bloque de Digestión Bureta Electrónica Balanza Analítica
F1, F2		Aceites Crudos y Refinados, Aceites Marinos y Grasas Animales	Ácidos Grasos Libres	AOCS Ca 5a-40	Determinación por Titulación Balanza Analítica
F1, F2		Grasas y Aceites No Es Aplicable a Muestras que Contengan Sustancias Volátiles Miscibles en Agua	Humedad	AOCS Ca 2a-45	Destilación con Disolvente Inmiscible en Agua Balanza Analítica
F1, F2		Todos Los Aceites y Grasas Vegetales o Animales	Índice de Peroxidos	AOCS Cd 8b-90	Isooctano, Balanza Analítica
F1, F2		Harinas, Aceites, Pienso para Consumo Animal	Impurezas Insolubles	AOCS Ca 3a-46	Determinación de Impurezas Como Suciedad, Harina y Otras Sustancias Extrañas Insolubles en Queroseno y Éter de Petróleo. Balanza Analítica, Horno, Termómetro
F1, F4			Residual de Antioxidante Etoxiquina	Determinación de Residual Antioxidante como Etoxiquina	Espectrofotometría UV-VIS, Método Interno, Balanza Analítica
			Mercurio	NOM 117-SSA1 NOM-242-SSA1	Espectrofotómetro de Absorción Atómica Balanza Analítica, Horno De Digestión, Generador de Hidruros



Certificado de Acreditación: Suplemento

Technical Analysis Service, S.A. de C.V.

Blvd. Plutarco Elías Calles, Lote 6, Manzana 57, Col. Ampliación Burócrata
Guaymas, Sonora, México. C.P. 85428

Nombre del Contacto: Montserrat Martínez Teléfono: 622-222-9301

Acreditación otorgada a la instalación para desarrollar las siguientes pruebas:

CODIGO FLEXIBLE	FIELD OF TEST	ARTICULOS, MATERIALES Y PRODUCTOS EN PRUEBA	COMPONENTE, CARACTERISTICAS, PARAMETRO BAJO PRUEBA	ESPECIFICACIÓN O MÉTODO ESTANDAR	TECNOLOGIA O TECNICA UTILIZADA
F1, F2	Química ^F	Harinas, Aceites, Piensos para Consumo Animal	Arsénico	NOM 117-SSA1 NOM-242-SSA1	Espectrofotómetro de Absorción Atómica Balanza Analítica, Horno de Digestión
F1, F2			Cadmio		
F1, F2			Zinc		
F1, F2			Plomo		
F1, F2			Cromo	NOM-211-SSA1	
F1, F2					

- La presencia de un superíndice F significa que el laboratorio realiza pruebas del parámetro indicado en su ubicación fija.
- Código Flexible:
 - F0-El laboratorio tiene la capacidad de probar un nuevo artículo, material, matriz o producto similar en composición al artículo, material, matriz o producto identificado en el alcance.
 - F1-El Laboratorio tiene la capacidad de probar un nuevo artículo, material, matriz o producto similar en composición al artículo, material, matriz o producto identificado en el alcance.
 - F2-El laboratorio tiene la capacidad de introducir la revisión más reciente de un método estándar autorizado acreditado (sin modificaciones) identificado en el alcance.
 - F3-El laboratorio tiene la capacidad de introducir un parámetro/componente/analito en un método de prueba acreditado identificado en el alcance.
 - F4-El laboratorio tiene la capacidad de introducir una nueva revisión de un método no estándar acreditado utilizando la misma tecnología o técnica identificada en el alcance.
 - F5-El laboratorio tiene la capacidad de introducir un método validado que sea equivalente a un método acreditado (que utiliza la misma tecnología o técnica) identificado en el alcance.



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Organization of:

Technical Analysis Service, S. A. de C.V.

***Blvd. Plutarco Elías Calles, Lote 6, Manzana 57, Col. Ampliación Burocrata
Guaymas, Sonora, México. C.P. 85428***

*(Hereinafter called the Organization) and hereby declares that Organization is accredited
in accordance with the recognized International Standard:*

ISO/IEC 17020:2012

Conformity Assessment-Requirements for the operation of various types of bodies performing inspection. This accreditation demonstrates technical competence for a defined scope and the operation of a quality management system.

Inspection Body (Category-A)
(As detailed in the supplement)

Accreditation claims for such Inspection Body services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Initial Accreditation Date:

October 17, 2022

Issue Date:

November 05, 2024

Expiration Date:

January 31, 2027

Accreditation No.:

75787

Certificate No.:

L24-849

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

*The validity of this certificate is maintained through ongoing assessments based on a
continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjllabs.com*



Certificate of Accreditation: Supplement

Technical Analysis Service, S. A. de C.V.

Bldv. Plutarco Elías Calles, Lote 6, Manzana 57, Col. Ampliación Burocrata

Guaymas, Sonora, México. C.P. 85428

Contact Name: Montserrat Martinez Phone: 622-222-9301

Accreditation is granted to the facility to perform the following inspection:

Category A

FIELD OF INSPECTION	TYPES OR RANGES OF INSPECTIONS	SPECIFICATION, STANDARD METHOD, OR TECHNIQUE USED
Traded Agricultural Commodities Food and Feed ingredients, Grains and Oils Shipments to Export.	Shipping and Weighing Certification of Flour in Bags and Bulk	ISO 1496-4 Gafta Rules 123 Inspection Procedure of Flour Shipments in Bags and in Bulk
	Shipping and Weighing Certification of Flour in Maxi-Bags, Hydrolyzed Liquid and in Bags Palletized	ISO 1496-4 Gafta Rules 123 Inspection Procedure for Shipments of Flour, Liquid and Dry Hydrolyzed on Pallets
	Shipping Certification of Oils in Pipes and Tank Cars	ISO 1496-4 FOSFA Carriage of Oils and Fats Inspection procedure for Shipment of Oil in Pipes and Tank Cars
	Certification of Shipment of Oils in Flexi-bags	ISO 1496-4 FOSFA Carriage of Oils and Fats Inspection Procedure for Shipment of Oil in Flexi Bags
	Sampling of Flours in Bags and in Bulk	LAB/NT1/ September 2013 Mexican Standard: NMX-Y-111-SCFI-2010 Gafta Sampling Rules 124
	Sampling of Oils in Tanks, Ferro Tanks, Tank Cars (Pipes), Flexi Bags	LAB/NT1/ September 2013 Mexican Standard: NMX-Y-111-SCFI-2010 ISO-5555-2001

1) Inspection Body Classifications (Type A, B or C)

Type A- An inspection body providing third party inspections

Type B- An inspection body providing first party inspections, second party inspections, or both, which forms a separate and identifiable part of an organization involved in the design, manufacture, supply, installation, use or maintenance of the items it inspects and which supplies inspection services only to its parent organization (in-house inspection body)

Type C- An inspection body providing first party inspections, second party inspections, or both, which forms an identifiable but not necessarily a separate part of an organization involved in the design, manufacture, supply, installation, use or maintenance of the items it inspects and which supplies inspection services to its parent organization or to other parties, or to both