PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Biogen Laboratory Developments, LLC
Food, Supplement and R & D Lab
36740 E. Historic Columbia River Hwy, Corbett, OR 97019

(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):

Biological (Microbiological) and 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

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
April 09, 2024	October 14, 2024	November 30, 2026

Accreditation No.:	*Certificate No.:*
75889	L24-782

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.pjlabs.com

Certificate of Accreditation: Supplement

Biogen Laboratory Developments, LLC
Food, Supplement and R & D Lab
36740 E. Historic Columbia River Hwy, Corbett, OR 97019
Contact Name: Mr. Nidal Kahl Phone: 503-695-6066

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	Biological [F] (Microbiological)	Food Products, Supplements, Nutraceuticals, Packaging Materials, and Environmental Samples	Aerobic Plate Count	AOAC 966.23 based on FDA BAM Online Ch.3; CMMEF 5th Ed.	Culture – Pour Plate
F1, F2			Yeast and Mold	SOP 220 based on FDA BAM Online Ch.18; CMMEF 5th Ed	
F1, F2			Anaerobic Plate Count	SOP 202 based on AOAC 966.23; FDA BAM Online Ch.3; CMMEF 5th Ed.	
F1, F2			Total Probiotic Count	CMMEF 5th Ed.	
F1, F2			Lactic Acid Bacteria	CMMEF 5th Ed.	
F1, F2			*Listeria monocytogenes*	AOAC 2019.11	GENE-UP® PCR
F1, F2			E. coli O157:H7	AOAC 2019.03	
F1, F2			EHEC Series: STEC – EAE & STX STEC - top 6	AOAC PTM 121806	GENE-UP® PCR & Vidas® Immunoassay
F1, F2			*Salmonella sp.*	AOAC 2020.02 PEPRL 0007.10	GENE-UP® PCR
F1, F2			*Salmonella sp.*	AOAC 2013.01	Vidas® UP Immunoassay
F1, F2			*Listeria sp.*	AOAC 2013.10	
F1, F2			*Listeria monocytogenes*	AOAC 2013.11	Vidas® Xpress Immunoassay
F1, F2			*Listeria monocytogenes*	AOAC 2004.02	Vidas® LMO2 Immunoassay
F1, F2			E. coli O157:H7	AOAC PTM 060903	Vidas® UP Immunoassay
F1, F2			*Salmonella sp.*	AOAC 2013.02	BAX® System PCR
F1, F2			*Listeria sp.*	AOAC PTM 081401 AOAC PTM 050903	
F1, F2			*Listeria monocytogenes*	AOAC PTM 121402 AOAC PTM 080901	
F1, F2			HEC Series: STEC – EAE & STX STEC – Panel 1 & 2	AOAC PTM 091301 USDA FSIS MLG 5B.05	
F1, F2			Campylobacter	AOAC PTM 040702 USDA FSIS MLG 41.04,41A.00	
F1, F2			Vibrio cholerae/ parahaemolyticus/ vulnificus	AOAC PTM 050902	

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F1, F2	Biological [F] (Microbiological)	Food Products, Supplements, Nutraceuticals, Packaging Materials, and Environmental Samples	Salmonella sp.	AOAC RI 080601	RapidChek Immunoassay
F1, F2			Listeria sp.	AOAC RI 020401	
F1, F2			E. coli O157:H7	AOAC RI 070801	
F1, F2		Food Products, Supplements, Packaging Materials, and Environmental Samples	Aerobic Plate Count (Rapid)	AOAC 2015.13	Petrifilm
F1, F2			Total Coliform	AOAC 991.14	
F1, F2			Lactic Acid Bacteria	AOAC RI 041701	
F1, F2			Total E. coli (Generic)	AOAC 991.14	
F1, F2			Staphylococcus aureus	AOAC 2003.07	
F1, F2			Total Enterobacteriaceae	AOAC 2003.01	
F1, F2			Yeast and Mold(Rapid)	AOAC 2014.05	
F1, F2		Drinking Water	Total Coliform	SM 9223B	Colilert
F1, F2			Total E. coli (Generic)	SM 9223B	
F1, F2, F4	Biological [FO] (Microbiological)	Food Products, Supplements, Nutraceuticals, Packaging Materials, and Environmental Samples	Microbial Environmental Sampling	CMMEF 5th Ed. SOP 300	Aseptic Sampling
F1, F2	Biological [F] (Microbiological)		Listeria sp.	AOAC 2019.10	GENE-UP® PCR
F1, F2			Cronobacter sp.	AOAC 2019.01	
F1, F2			Campylobacter	AOAC PTM 051201 USDA FSIS MLG 41.01	Vidas® Immunoassay
F1, F2			E. coli O157:H7	AOAC PTM 102003 AOAC PTM 031002 USDA FSIS MLG 5.09/5A.04	BAX® System PCR
F1, F2			Listeria monocytogenes	AOAC RI 011805	RapidChek Immunoassay
F1, F4		Food: Fruit, Vegetables, Water, Surfaces	Norovirus GI-GII, Hepatitis A Virus	SOP 352 based on ISO 15216	RT-qPCR
F1, F4	Chemical [F]	Fruit, Plant Tissue, Supplements, Nutraceuticals	Pesticide Analysis	AOAC 2007.01 modified SOP 313	LC-MS/MS
F1, F4					GC-MS/MS
F1, F4			Herbicide Analysis	AOAC 2007.01 modified SOP 313	LC-MS/MS
F1, F4			Cannabinoid Profile	SOP 620	HPLC

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F1, F4	Chemical [F]	Cannabis, Oils, Distillates	Pesticide Analysis	SOP 630 AOAC 2007.01 modified	LC-MS/MS
F1, F4				SOP 630 AOAC 2007.01 modified	GC-MS/MS
F1, F2		Food Products, Supplements, Nutraceuticals, Packaging Materials, and Environmental Samples	Gliadin R5 / Gluten	AOAC RI 061201	ELISA
F1, F4			Sesame Allergen	ELISA SOP 262	
F1, F4			Egg Allergen	ELISA SOP 251	
F1, F4			Milk Allergen	ELISA SOP 252	
F1, F4			Soy Allergen	ELISA SOP 253	
F1, F2			Peanut Allergen	AOAC RI 030403	
F1, F4			Crustacea Allergen	ELISA SOP 255	
F1, F4			Tree Nut Allergen	ELISA SOP 259	Reveal Immunoassay
F1, F2			Mycotoxins: Aflatoxin B1, B2, G1, G2	AOAC RI 050901	ELISA
F1, F4			Mycotoxin: Aflatoxin M1	ELISA SOP 271	
F1, F2			Mycotoxin: DON / Vomitoxin	AOAC RI 090901	
F1, F4			Mycotoxin: Ochratoxin	SOP 273	
F1, F2			Water Activity	AOAC 978.18	Aw Meter
F1, F2			Moisture	AOAC 925.10	Gravimetric
F1, F2			Solids	AOAC 925.10	
F1, F2			pH	AOAC 981.12; AOAC 960.19	pH Meter
F1, F4		Food Products, Supplements, Nutraceuticals	Patulin	AOAC 995.10 modified SOP 306	HPLC

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

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location.

2. The presence of a superscript O means that the laboratory performs testing of the indicated parameter onsite at customer locations.

3. Flex Code:
   F0-Fixed scope item. No deviations allowed to the line item as identified, except for updating to the most recent version of an accredited standard method after verification
   F1-Laboratory has the capability to test a new item, material, matrix, or product similar in composition to item, material, matrix, or product identified on the scope
   F2-Laboratory has the capability to introduce the newest revision of an accredited authoritative standard method (with no modifications) identified on the scope
   F3-Laboratory has the capability to introduce a parameter/component/analyte to an accredited test method identified on the scope
   F4-Laboratory has the capability to introduce a new revision of an accredited non-standard method using the same technology or technique identified on the scope
   F5-Laboratory has the capability to introduce a validated method that is equivalent to an accredited method (using same technology or technique) identified on the scope