



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

FoodChain ID Testing, LLC

4150 Lafayette Center Drive, Suite 600, Chantilly, VA 20151

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

ISO/IEC 17025:2017

& Meets the Requirements of the AOAC International Guidelines for Laboratories Performing Microbiological and Chemical Analyses of Food and Pharmaceuticals-2015

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 Analysis of Foods and Animal Drug Residues ***(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
Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

Initial Accreditation Date:

May 11, 2010

Issue Date:

September 17, 2020

Expiration Date:

November 30, 2022

Revision Date:

February 17, 2021

Accreditation No.:

67126

Certificate No.:

L20-544-R1

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

FoodChain ID Testing, LLC

4150 Lafayette Center Drive, Suite 600, Chantilly, VA 20151
 Contact Name: Thomas Scott Phone: 703-222-8700

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

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT	
Chemical ^F	Wheat, Liver, and Kidney; Food and Food Products; Feed and Feed Products; Animal and Animal Products	Pesticides and Polychlorinated Biphenyls (PCBs)	USDA (FSIS) CLG – HEC1 GC-ECD	0.01 µg/g to 1 µg/g	
			USDA (FSIS) CLG – HEC1 GC-NPD		
			USDA (FSIS) CLG – PST4 GCMS		
		Sulfonamides	USDA (FSIS) CLG – SUL4 LCMS		
	Rendered Fats, Tissue Fats, Fresh Produce	Quecher Extraction & Cleanup		AOAC 2007.01	N/A
	Aqueous	Organic Extraction	EPA 3510C Mod		
	Dry Material & Solids		EPA 3550C Mod		
	Rendered Fats, tissue Fats, Fresh Produce	Alumina Cleanup	EPA 3580C Mod		
			Florasil Cleanup	EPA 3610B	
	Fats	Extraction	PAM 304.E1		
Feed and Feed Products; Food and Food Products; Animal and Animal Products	Multi-Class Pesticides		CLG_PST5 (GC/MS/MS and LC/MS/MS)	0.01 mg/kg to 1 mg/kg	
Food and Food Products; Feed and Feed Products	Glyphosate: AMPA		J. Agric. Food Chem. (2015) 63, 48,10562-10568. (LC/MS/MS)	0.05 mg/kg to 1 mg/kg	
Animal and Animal Material; Feed and Feed Products	Animal Drug Residues		CLG_MRM1, Modified (LC/MS/MS)	0.01 mg/kg to 1 mg/kg	
Cannabis Plant, Cannabis Infused Products, Cannabis Concentrates, Cannabis Oils, Cannabis Edibles; Dietary Supplements	Pesticides: Acephate (Orthene) Alachlor Aldrin alpha-BHC alpha-Chlordane Azinphos-ethyl Azinphos-methyl (Gluthion) Bromophos ethyl Bromophos methyl Bromopropylate Chlorfenvinphos Chlorpyrifos (Dursban)		USP <561>; USP Articles of Botanical Origin, Chemical Test. General method for pesticide residue analysis. First supplement to USP 38-NF 33. pp 10-14. (GC/MS/MS and LC/MS/MS)	0.005 µg/mL to 0.5 µg/mL	



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Chemical ^F	Cannabis Plant, Cannabis Infused Products, Cannabis Concentrates, Cannabis Oils, Cannabis Edibles; Dietary Supplements	Pesticides: Chlorpyrifos -Methyl Chlorthal-Dimethyl (Dacthal) Cyfluthrin (Sum) Cyhalothrin-LAMBDA Cypermethrin (Sum) delta-BHC Deltamethrin Diazinon Dichlofluanid Dichlorvos (DDVP) Dicofol-o, p' Dieldrin Dimethoate (Cygon) Endosulfan I Endosulfan II Endosulfan sulfate Endrin Ethion Etrimphos Fenclorphos (Ronnel) Fenclorphos-Oxon Fenitrothion Fenpropathrin Fensulfothion (Sum) Fensulfothion-oxon Fensulfothion-oxon sulfone Fensulfothion-sulfone Fenthion (Baytex) (Sum) Fenthion sulfone Fenthion sulfoxide Fenthion-oxon Fenthion-oxon sulfone Fenthion-oxon sulfoxide Fenvalerate Flucythrinate Fluvalinate Fonofos (Dyfonate) gamma-BHC (Lindane)	USP <561>; USP Articles of Botanical Origin, Chemical Test. General method for pesticide residue analysis. First supplement to USP 38-NF 33. pp 10-14. (GC/MS/MS and LC/MS/MS)	0.005 µg/mL to 0.5 µg/mL



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Chemical ^F	Cannabis Plant, Cannabis Infused Products, Cannabis Concentrates, Cannabis Oils, Cannabis Edibles; Dietary Supplements	Pesticides: gamma-Chlordane Heptachlor (Sum) Heptachlor epoxide (trans-isomer A) Hexachlorobenzene (HCB) Malathion Malaoxon (Malathion OA) Mecarbam Methacrifos Methamidophos Methidathion (Supracide) Methoxychlor Mirex Monocrotophos o,p'-DDD o,p'-DDE o,p'-DDT Omethoate Oxychlordane p,p'-DDD (TDE) p,p'-DDE p,p'-DDT Parathion Parathion Methyl OA Parathion OA Parathion-Methyl Pendimethalin (Prowl) Pentachloroanisol (PCA) Pentachloroaniline Methyl pentachlorophenyl sulfide (MPCPS) Permethrin (Pounce) Phosalone (Zolone) Phosmet (Imidan) Piperonyl Butoxide Pirimiphos-ethyl Pirimiphos-methyl N-Desethyl-Pirimiphos-methyl Procymidone	USP <561>; USP Articles of Botanical Origin, Chemical Test. General method for pesticide residue analysis. First supplement to USP 38-NF 33. pp 10-14. (GC/MS/MS and LC/MS/MS)	0.005 µg/mL to 0.5 µg/mL



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Chemical ^F	Cannabis Plant, Cannabis Infused Products, Cannabis Concentrates, Cannabis Oils, Cannabis Edibles; Dietary Supplements	Pesticides: Profenophos (Curacron) Prothiofos (Tokuthion) Pyrethrins Quinalphos Quintozene (PCNB) (Sum) S-421 Tecnazene Tetradifon (Tedion) Vinclozolin (Ronilan)	USP <561>; USP Articles of Botanical Origin, Chemical Test. General method for pesticide residue analysis. First supplement to USP 38-NF 33, pp 10-14. (GC/MS/MS and LC/MS/MS)	0.005 µg/mL to 0.5 µg/mL
	Cannabis Plant, Cannabis Infused Products, Cannabis Concentrates, Cannabis Oils, Cannabis Edibles; Food and Feed Products	Residual Solvents: Acetone Acetonitrile Benzene Butane Chloroform 1,2-Dichloroethane Ethanol Ethylene oxide Ethyl ether Ethyl acetate Heptane n-Hexane Isopropyl Alcohol Methanol Methylene Chloride n-Pentane Propane Toluene Trichloroethylene Total Xylenes (<i>m/p, o</i>)	FID_SOP_RSO (GC Headspace/FID/MS)	10 µg/mL to 1 000 µg/mL
	Cannabis Plant, Cannabis Infused Products, Cannabis Concentrates, Cannabis Oils, Cannabis Edibles	Terpenes: (-)-alpha-Bisabolol Camphene delta-3-Carene beta-Caryophyllene (-)-Caryophyllene oxide 1,8-Cineole (Eucalyptol) <i>p</i> -Cymene Geraniol (-)-Guaiol	FID_SOP_TERPENES (GC Headspace/FID/MS)	10 µg/mL to 2 500 µg/mL



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Chemical ^F	Cannabis Plant, Cannabis Infused Products, Cannabis Concentrates, Cannabis Oils, Cannabis Edibles	Terpenes: alpha-Humulene (-)-Isopulegol d-Limonene Linalool beta-Myrcene Nerolidol (Z, E)-beta-Ocimene (±)-alpha-Pinene (-)-beta-Pinene alpha-Terpinene gamma-Terpinene Terpinolene	FID_SOP_TERPENES (GC Headspace/FID/MS)	10 µg/mL to 2 500 µg/mL
		CBD Potency/ Cannabinoids: CBD CBDA THCA Δ9 THC Δ8 THC CBDV CBDVA THCV CBG CBGA CBN CBC	HPLC_SOP_CBD (HPLC/VWD)	0.5 µg/mL to 100 µg/mL
	Cannabis Plant, Cannabis Infused Products, Cannabis Concentrates, Cannabis Oils, Cannabis Edibles; Food and Food Products; Feed and Feed Products	Mycotoxins: Aflatoxins B1 Aflatoxins B2 Aflatoxins G1 Aflatoxins G2 Ochratoxin A	FDA Method Version 1.0 (2017) (LC/MS/MS)	0.05 ng/mL to 50 ng/mL
Feed & Prod's, Food & Prod's		Pesticides	CLG_PST5 - LCMSMS/GCMSMS	0.01 mg/kg to 1 mg/kg
		Animal Drug Res	CLG_MRM3 (MOD)	0.01 mg/kg to 1 mg/kg
Dietary Supplements		Pesticides	USP 561- LCMSMS/GSMSMS	
Hemp		Residual Solvents	FID -SOP -RSO	10 mg/g to 1000 mg/g
		Terpenes	FID-SOP -TERPENE	
		CBD Potency	HPLC-SOP -CBD	0.5 mg/g to 100 mg/g
Feed & Prod's		Mycotoxins	FDA Method Version 1.0(2017)	0.01 µg/mL to 100 µg/mL



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Chemical ^F	Commercial Fats and Oils; Food Products	Moisture	AOCS Ca 2c-25	0.01% to 100%
		Insoluble Matter	AOCS Ca 3a-46	0.01% to 100%
		Free Fatty Acid	AOCS Ca 5a-40	0.01% to 100%
		Unsaponifiable Matter	AOCS Ca 6b-53	0.01% to 100%
		Titer	AOCS Cc 12-59	0.01% to 100%
		CEF Dioxins	AOAC 968.23	0.004 µg/g to 0.1 µg/g
		Antioxidants	Anal. Bioanal. Chem. 386,1881 (2006)	0.01 µg/g to 0.15 µg/g
		Animal Drug Residues	USDA CLG_MRM3, Modified	0.01 mg/kg to 1 mg/kg
Chemical and Environmental ^F	Commercial Fats and Oils; Food Products	Fatty Acid Composition	AOCS Method Ce-1b-89, Modified	0.1 % to 100 %

- The presence of a superscript F means that the laboratory performs calibration of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this calibration at its fixed location.

