

PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

a subsidiary of Certified Testing and Data, LLC 805 West Central Boulevard, Orlando, FL 32805

(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 Pharmaceutical-2018

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, Microbiological, and Non-Destructive 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

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

Expiration Date:

October 12, 2022

October 12, 2022

January 31, 2025

Revision Date:

Accreditation No.:

Certificate No.:

April 20, 2023

116070

L22-670-R2

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



Issue: 10/2022



Certificate of Accreditation: Supplement

CTND FL CORP

a subsidiary of Certified Testing and Data, LLC

805 West Central Boulevard, Orlando, FL 32805 Contact Name: Lovelie Metzgar Phone: 321-750-6205

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	Cannabis Flower/Plant Cannabis Derivatives and Edibles Hemp Flower/Plant Hemp Derivatives and Edibles	Terpenes: (-)-Caryophyllene oxide 1,8-Cineole (Eucalyptol) (-)-α-Bisabolol Camphene δ-3-Carene β-Caryophyllene Geraniol (-)-Guaiol α-Humulene p-Isopropyltoluene (p-cymene) (-)-Isopulegol d-Limonene Linalool β-Myrcene Nerolidol Ocimene α-Pinene (-)-β-Pinene α-Terpinene γ-Terpinene	Internal SOP CTND-FL-SOP-T-001 by Headspace GC-MS	LOD = 2 ppm
		Terpinolene Cannabinoids: Δ9-Tetrahydrocannabinoid (Δ9-THC) Δ8-Tetrahydrocannabinoid (Δ8-THC) Δ9-Tetrahydrocannabinoid acid (THCA) Tetrahydrocannabivarin (THCV) Cannabidiol (CBD) Cannabidiolic acid (CBDA) Cannabidivarin (CBDV) Cannabigerol (CBG) Cannabigerolic acid (CBGA) Cannabinol (CBN) Cannabichromene (CBC) Total CBD Total THC	Internal SOP CTND-FL-SOP-P-001 by HPLC-PDA	LOD = 2 ppm
		Heavy Metals: Arsenic Cadmium Lead Mercury	Internal SOP CTND-FL-SOP-M- 001 by ICP-MS	LOD = 20 ppb LOD = 20 ppb LOD = 50 ppb LOD = 20 ppb





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Chemical ^F	Cannabis Flower/Plant	Mycotoxins:	Internal SOP	
	Cannabis Derivatives and	Aflatoxins B1	CTND-FL-SOP-PM-	LOD = 2 ppb
	Edibles	Aflatoxins B2	001 by LC-MS-MS	LOD = 2 ppb
	Hemp Flower/Plant Hemp	Aflatoxins G1		LOD = 2 ppb
	Derivatives and Edibles	Aflatoxins G2		LOD = 2 ppb
		Ochratoxin A		LOD = 2 ppb
		Pesticides:	Internal SOP	
		Abamectin	CTND-FL-SOP-PM-	LOD = 10 ppb
		Acephate	001 by LC-MS-MS	LOD = 10 ppb
		Acequinocyl		LOD = 10 ppb
		Acetamiprid		LOD = 10 ppb
		Aldicarb		LOD = 10 ppb
		Azoxystrobin		LOD = 10 ppb
		Bifenazate		LOD = 10 ppb
		Bifenthrin		LOD = 10 ppb
		Boscalid		LOD = 10 ppb
		Captan		LOD = 70 ppb
		Carbaryl		LOD = 50 ppb
		Carbofuran		LOD = 10 ppb
		Chlorantraniliprole	X	LOD = 100 ppb
		Chlordane		LOD = 10 ppb
	/	Chlorfenapyr		LOD = 10 ppb
		Chlormequat Chloride		LOD = 100 ppb
		Chlorpyrifos		LOD = 10 ppb
		Clofentezine		LOD = 20 ppb
		Coumaphos		LOD = 10 ppb
	/	Cyfluthrin		LOD = 50 ppb
	/	Cypermethrin		LOD = 50 ppb
	A	Daminozide		LOD = 10 ppb
		DDVP (Dichlorvos)		LOD = 10 ppb
		Diazinon		LOD = 10 ppb
		Dimethoate		LOD = 10 ppb
		Dimethomorph		LOD = 20 ppb
		Ethoprophos		LOD = 10 ppb
		Etofenprox		LOD = 10 ppb
		Etoxazole		LOD = 10 ppb
		Fenhexamid		LOD = 10 ppb
		Fenoxycarb		LOD = 10 ppb
		Fenpyroximate		LOD = 10 ppb
		Fipronil		LOD = 10 ppb
		Flonicamid		LOD = 10 ppb
		Fludioxonil		LOD = 10 ppb
		Hexythiazox		LOD = 10 ppb
		Imazalil		LOD = 10 ppb
		Imidacloprid		LOD = 40 ppb

Issue: 10/2022 This supplement is in conjunction with certificate L22-670-R1 Page 3 of 5



Issue: 10/2022

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Chemical ^F	Cannabis Flower/Plant	Pesticides:	Internal SOP	
	Cannabis Derivatives and	Kresoxim-methyl	CTND-FL-SOP-PM-001	LOD = 10 ppb
	Edibles	Malathion	by LC-MS-MS	LOD = 20 ppb
	Hemp Flower/Plant Hemp	Metalaxyl		LOD = 10 ppb
	Derivatives and Edibles	Methiocarb		LOD = 10 ppb
		Methomyl		LOD = 10 ppb
		Methyl-parathion		LOD = 10 ppb
		Mevinphos		LOD = 10 ppb
		Myclobutanil		LOD = 10 ppb
		Naled		LOD = 25 ppb
		Oxamyl		LOD = 50 ppb
		Paclobutrazol		LOD = 10 ppb
		Pentachloronitrobenzene		LOD = 15 ppb
		Permethrin		LOD = 10 ppb
		Phosmet		LOD = 10 ppb
		Piperonyl butoxide		LOD = 100 ppb
		Prallethrin		LOD = 10 ppb
		Propiconazole	/	LOD = 10 ppb
		Propoxur		LOD = 10 ppb
		Pyrethrins	X	LOD = 50 ppb
		Pyridaben		LOD = 20 ppb
		Spinetoram		LOD = 20 ppb
	/	Spinosyn A and D		LOD = 10 ppb
		Spiromesifen		LOD = 10 ppb
	/	Spirotetramat		LOD = 10 ppb
		Spiroxamine		LOD = 10 ppb
		Tebuconazole	1	LOD = 10 ppb
		Thiacloprid		LOD = 10 ppb
		Thiamethoxam		LOD = 50 ppb
		Trifloxystrobin		LOD = 10 ppb
	Cannabis Derivatives and	Residual Solvents:	Internal SOP	TI
	Edibles	Acetone	CTND-FL-SOP-R-001	LOQ = 375 ppm
	Hemp Derivatives and Edibles	Acetonitrile	by GC-MS	LOQ = 30 ppm
		Benzene		LOQ = 0.5 ppm
		Butane		LOQ = 2500 ppm
		Chloroform		LOQ = 1 ppm
		1,2-Dichloroethane		LOQ = 1 ppm
		1,1-Dichloroethene Ethanol		LOQ = 4 ppm
		Ethyl Acetate		LOQ = 2500 ppm LOQ = 200 ppm
		Ethyl Ether		LOQ = 200 ppm LOQ = 250 ppm
		Ethylene Oxide		LOQ = 2.5 ppm
		Heptane Salde		LOQ = 2.5 ppm LOQ = 2500 ppm
		Hexane		LOQ = 125 ppm
		Isopropyl Alcohol		LOQ = 250 ppm
		Methanol		LOQ = 125 ppm





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Chemical ^F	Cannabis Derivatives and Edibles Hemp Derivatives and Edibles	Residual Solvents: Methylene Chloride Pentane Propane Trichloroethylene Toluene Total xylenes (m,p,o-xylenes)	Internal SOP CTND-FL-SOP-R-001 by GC-MS	LOQ = 62.5 ppm LOQ = 375 ppm LOQ = 2500 ppm LOQ = 12.5 ppm LOQ = 75 ppm LOQ = 75 ppm
	Cannabis Flower/Plant Cannabis Derivatives and	Water Activity	Internal SOP CTND-FL-SOP-W-001	$D.L. = 0.015 A_{w}$
	Edibles Hemp Flower/Plant Hemp	Moisture Content	Internal SOP CTND-FL-SOP-S-001	D.L. = 0.1%
Microbiological ^F	Derivatives and Edibles	Total Yeast and Mold	Internal SOP CTND-FL-SOP-B-005 by Petrifilm	LOQ = 10 CFU/g
		Shiga toxin producing Escherichia coli Salmonella spp. Aspergillus fumigatus Aspergillus flavus Aspergillus niger Aspergillus terreus Listeria monocytogenes	Internal SOPs by qPCR CTND-FL-SOP-B-001 CTND-FL-SOP-B-002 CTND-FL-SOP-B-003 CTND-FL-SOP-B-004 CTND-FL-SOP-B-008	Presence / Absence
Non-Destructive ^F		Filth and Foreign Material	Internal SOP CTND-FL-SOP-F-001	Pass / Fail
		Sample Collection	Internal SOP CTND-FL-SOP-SM-001 Rule 64-4 F.A.C.	N/A

- 1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.
- 2. "Accreditation is granted through technology based flexible scope criteria. Additional methods other than listed above may fall under the accreditation of the laboratory. A complete listing of method capabilities can be derived from the laboratory upon request".