



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Aromatic Plant Research Center

230 N 1200 E, Suite 100, Lehi, UT 84043

(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):

Scope Statement ***(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:

May 20, 2022

Issue Date:

May 20, 2022

Expiration Date:

August 31, 2024

Accreditation No.:

115229

Certificate No.:

L22-380

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

Aromatic Plant Research Center

230 N 1200 E, Suite 100, Lehi, UT 84043

Contact Name: William Deuschmna Phone: (385) 484-8302

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
Microbiological ^F	Quantitative Microbial Assay of Cannabis and Cannabis Related Products, and Hemp and Hemp Related Products	Total Aerobic Bacterial Content	Hardy Diagnostic Plates – APRC Method 1-2034	10 CFU/g to 1 000 000 CFU/g
		Total Yeast and Mold	Hardy Diagnostic Plates – APRC Method 1-2034	
Chemical ^F	Cannabis and Cannabis Related Products, and Hemp and Hemp Related Products	Water Activity	Water Activity Meter APRC Method 1-2031	0.26 <i>a_w</i> to 1.0 <i>a_w</i>
		Moisture Content	Moisture Analyzer APRC Method 1-2032	0 to 100% by mass
	Quantitative Chemical Assay of Cannabis and Cannabis Related Products, and Hemp and Hemp Related Products	Cannabinoids: CBDV CBDA CBGA CBG CBD THCV CBN delta-9 THC delta-8 THC THCA-A CBC	HPLC/DAD APRC Method 1-2034	0.01% to 100% by mass
		Terpenes: alpha-pinene camphene beta-pinene myrcene delta 3-carene alpha-terpinene para-cymene limonene cis-beta ocimene trans-beta ocimene gamma-terpinene terpinolene linalool isopulegol geraniol beta-caryophyllene alpha-humulene cis-nerolidol trans-nerolidol guaiol alpha-bisabolol	GC/MS APRC Method 1-2029	> 0.001% by mass



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Chemical ^F	Quantitative Chemical Assay of Cannabis and Cannabis Related Products, Hemp and Hemp Related Products, and Essential Oils	Residual Solvents: 1,2-Dimethoxyethane 1,4-Dioxane 1-Butanol 1-Propanol 2-Butanol 2-Butanone 2-Ethoxyethanol 2-Propanol Acetone Acetonitrile Benzene Butane Cumene Cyclohexane Dichloromethane 2,2-Dimethylbutane 2,3-Dimethylbutane o-Xylene m,p-Xylene Dimethyl Sulfoxide (DMSO) Ethanol Ethyl Acetate Ethyl Benzene Ethyl Ether Ethylene Glycol Ethylene Oxide Heptane n-Hexane Isopropyl Acetate Methyl Propane 2-Methyl Pentane 3-Methyl Pentane N,N-dimethylacetamide N,N-dimethylformamide Pentane Propane Pyridine Sulfolane Tetrahydrofuran Toluene Xylenes	GC/MS APRC Method 1-2027	> 0.001% by mass



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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. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.

