

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):

(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:

Leavy Szuszen

Tracy Szerszen President

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

 Initial Accreditation Date:
 Issue Date:
 Ex

 May 20, 2022
 May 20, 2022
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 Accreditation No.:
 Certificate No.:

115229

L22-380

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: <u>www.pjlabs.com</u>

Expiration Date:

August 31, 2024



Certificate of Accreditation: Supplement

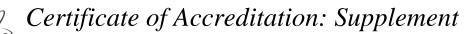
Aromatic Plant Research Center

230 N 1200 E, Suite 100, Lehi, UT 84043 Contact Name: William Deutschmna 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 Total Yeast and Mold	Hardy Diagnostic Plates – APRC Method 1-2034 Hardy Diagnostic Plates – APRC Method 1-2034	10 CFU/g to 1 000 000 CFU/g
Chemical ^F	Cannabis and Cannabis Related Products, and	Water Activity	Water Activity Meter APRC Method 1-2031	0.26 a _w to 1.0 a _w
	Hemp and Hemp Related Products	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	GC/MS APRC Method 1-2029	> 0.001% by mass
		limonene cis-beta ocimene trans-beta ocimene gamma-terpinene terpinolene linalool isopulegol geraniol beta-caryophyllene alpha-humulene cis-nerolidol trans-nerolidol guaiol alpha-bisabolol		





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FIELD	ITEMS, MATERIALS OR	specific tests or	SPECIFICATION,	RANGE (WHERE APPROPRIATE)
OF TEST	PRODUCTS TESTED	PROPERTIES	STANDARD METHOD OR	AND DETECTION LIMIT
_		MEASURED	TECHNIQUE USED	
Chemical ^F	Quantitative Chemical	Residual Solvents:	GC/MS	> 0.001% by mass
	Assay of Cannabis and	1,2-Dimethoxyethane	APRC Method 1-2027	
	Cannabis Related	1,4-Dioxane		
	Products, Hemp and	1-Butanol		
	Hemp Related	1-Propanol		
	Products, and Essential	2-Butanol		
	Oils	2-Butanone		
		2-Ethoxyethanol		
		2-Propanol		
		Acetone		
		Acetonitrile		
		Benzene		
		Butane		
		Cumene		
		Cyclohexane		
		Dichloromethane		
		2,2-Dimethylbutane		
		2,3-Dimethylbutane	\bigcirc	
		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		
	1	Toluene Xylenes		



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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.

