



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):

Chemical and Biological (Microbiological) 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:

May 20, 2022

Issue Date:

June 03, 2024

Expiration Date:

September 30, 2026

Accreditation No.:

115229

Certificate No.:

L24-413

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.pjlab.com



Certificate of Accreditation: Supplement

Aromatic Plant Research Center

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

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

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, F4	Biological ^F (Microbiological)	Quantitative Microbial Assay of Cannabis and Cannabis Related Products, and Hemp and Hemp Related Products	Total Aerobic Bacterial Content	APRC Method 1-2034	Hardy Diagnostic Plates
F1, F4			Total Yeast and Mold		
F1, F4		Cannabis and Hemp products	Presence of specific pathogenic organisms: (Aspergillus, E. coli, STEC, Staphylococcus, Pseudomonas, Salmonella)	APRC Method 1-2035	Medicinal Genomics qPCR assay
F1, F4	Chemical ^F	Cannabis and Cannabis Related Products, and Hemp and Hemp Related Products	Water Activity	APRC Method 1-2031	Water Activity Meter
F1, F4			Moisture Content	APRC Method 1-2032	Moisture Analyzer
F1, F4		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 CBDVA THCVA CBCA	APRC Method 1-2034	HPLC/DAD
F1, F4		Cannabis and Hemp products	Cannabicitran (CBT)	APRC Method 1-2028	HPLC
F1, F4		Quantitative Chemical Assay of Cannabis and Cannabis Related Products, and Hemp and Hemp Related Products	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	APRC Method 1-2029	GC/MS



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F1, F4	Chemical ^F	Quantitative Chemical Assay of Cannabis and Cannabis Related Products, and Hemp and Hemp Related Products	Terpenes: beta-caryophyllene alpha-humulene cis-nerolidol trans-nerolidol guaiol alpha-bisabolol Sabinene alpha-Phellanderene meta-Cymene Eucalyptol ortho-Cymene Sabinine hydrate Fenchyl alcohol Isoborneol Borneol Menthol Terpin-4-ol Nerol, Citronellol Thymol Carvacrol (-)-alpha-Cedrene, beta-Cedrene trans-beta-Farnesene Valencene, Cedrol Farneseol Phytane (2,6,10,14-tetramethylhexadecane)	APRC Method 1-2029	GC/MS
F1, F4		Cannabis and Hemp products	Foreign Matter	APRC Method 1-2047	Visual examination
F1, F4			Synthetic Cannabinoids: 9R- Δ 6a,10a-Tetrahydrocannabinidiol (Δ 3-THC), 9S- Δ 6a,10a-Tetrahydrocannabinidiol (Δ 3-THC), (6aR,9(R+S))- Δ 10-Tetrahydrocannabinidiol, combined isomers	APRC Method 1-2030	GC/MS



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F1, F4	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	APRC Method 1-2037	GCMS with Specific Ion Monitoring



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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. Flex Code:
 - F1-Introduction of the testing of a new item, material, matrix, or product for an accredited test method
 - F2-Introduction of a new version of an accredited standard method (with no modifications)
 - F3-Introduction of a new parameter/component/analyte to an accredited test method
 - F4- Introduction of a new version or modifications of an accredited non-standard method
 - F5-Introduction of a new method that is equivalent to an accredited method (using same technology or technique)

