



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Mission Mountain Laboratories, Inc.

82892 US Hwy 93, Ravalli, MT 59863

(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 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:

DRAFT

Initial Accreditation Date:

August 22, 2016

Issue Date:

February 26, 2021

Expiration Date:

April 30, 2023

Tracy Szerszen
President

Accreditation No.:

86228

Certificate No.:

L21-147

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

Mission Mountain Laboratories, Inc.

82892 US Hwy 93, Ravalli, MT 59863
Contact Name: Kimberly Nuccio Phone: 406-726-5227

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	Liquids, Powders, Solids, Cannabis Plants and Products	Heavy Metals: Lead Mercury Arsenic Cadmium	USP <232>, <233>, (modified) using ICP-MS MML SOP 210.05	LOD Range: 0.007 µg/g to 0.028 µg/g 0.005 mg/g to 0.025 µg/g
		Niacin	Method MML 170.05.01 by HPLC-PDA	LOD Range: 0.3 mg/ml (mg) to 0.98 mg/ml (mg)
		Niacinamide		
		Thiamine		
		Vitamin B6		
	Caffeine			
	Cannabis Plants and Products	Cannabinoids	HPLC-PDA, MML SOP 170.09	LOD Range: 0.11 µg/g to 0.62 µg/g
Liquids, Powders, Solids, Cannabis Plants and Products	Identity	FTIR MML SOP 220.01	Qualitative Analyses Conforms/Non-conforms	
	Moisture/LOD	Gravimetric MML SOP 160.11	LOD = 0.13 %	
	Pesticides	LC-MS-MS, MML SOP 170.10	LOD Range: 0.193 µg/g to 46.528 µg/g	
Chemical ^F	Liquids, Powders, Solids, Cannabis Plants and Products	Mycotoxins: Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2	ELISA-MML SOP 250.01	LOD: 4 ppb
		Ochratoxin A		LOD: 2 ppb



Certificate of Accreditation: Supplement

Mission Mountain Laboratories, Inc.

82892 US Hwy 93, Ravalli, MT 59863
 Contact Name: Kimberly Nuccio Phone: 406-726-5227

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	Liquids, Powders, Solids, Cannabis Plants and Products	Total Aerobic Count	USP <2022>, <2021> (using Biolumix) MML SOP 150.12	Presence/Absence D.L. = Minimum 100 CFU/g	
		Yeast and Mold			
		Coliforms			
		E. coli			
		Staph aureus			
	Food/Meat Products	E. Coli O157:H7	Lateral Flow-AOAC 070807 MML SOP 150.08.01 Rapidchek	Qualitative Pathogen Testing Presence/Absence D.L. = 1 CFU/sample	
		Liquids, Powders, Solids, Cannabis Plants and Products, Environmental Swabs, Carcass Swabs	Listeria		Lateral Flow-AOAC 997.03 BioControlListeria Visual immunoprecipitate (VIP) Assay MML SOP 150.08.02
			Staph Aureus Salmonella	USP <62> MML SOP 150.12 MML SOP 150.07.06 MML SOP 150.07.05	Quantitative Analyses, 1 CFU/sample, CFU/g, CFU/mL, CFU/cm ²
			Salmonella	Compact Dry Salmonella MML SOP 150.05.02	
			E. Coli	Compact Dry EC AOAC 110402 MML SOP 150.08.05.01	
			Coliforms		
			E Coli	AOAC 991.14 – Petrifilm MML SOP 150.08.04.01 AOAC 990.12 – Petrifilm MML SOP 150.08.04.02 AOAC 121301 – Petrifilm MML SOP 150.08.04.03	
			Coliforms		
			Total Plate Count		
Total Yeast and Mold Count					



Certificate of Accreditation: Supplement

Mission Mountain Laboratories, Inc.

82892 US Hwy 93, Ravalli, MT 59863
Contact Name: Kimberly Nuccio Phone: 406-726-5227

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
Non-Destructive ^F	Cannabis Plant Matter, Cannabis Extracts, Cannabis Infused Products, Botanical Plant Matter, Food Products	Filth and Foreign Matter	Stereo Microscope MML SOP 240.01	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.

