



Certificate of Analysis

For R&D Use Only - Not a California Compliance Certificate.

Pure Michigan

Client: Modern Distribtuion



ND			
29.01 %			
33.05 %			
Pass			
Pass Pass			

Sample Name:

Pure Michigan

Matrix:

Plant

Unit Mass:

1 g per unit

Sample ID:

47440730-2

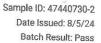
Date Received:

7/30/2024

Approved By: Marie True, M.S.

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References: limit of detection (LOD), limit of quantitation (LOQ), not detected (ND), not tested (NT)





Cannabinoid Analysis

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Complete

Analyte	LOD (%)	LOQ (%)	Mana (%)		
CBDV	0.0035		Mass (%)	Mass (mg/g)	
CBD		0.011	ND	ND	
	0.0030	0.0090	ND	ND	
CBG	0.0038	0.011	ND	ND	
CBDA	0.0017	0.0052			
CBN			ND	ND	
Delta 9-THC	0.00080	0.0024	ND	ND	
ALANY DAGGET II	0.0022	0.0067	0.205	2.05	
Delta 8-THC	0.0020	0.0059	ND	ND	
CBC	0.00070	0.0021			
HCA			ND	ND	
Total CBD	0.0024	0.0073	32.847	328.47	
A - A - D - A - A - A - A - A - A - A -			ND	ND	
Total THC			29.01	290.12	
Total Cannabinoids					
			33.05	330.52	

Date Tested: 7/30/2024

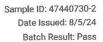
Total THC = THCa * 0.877 + d9-THC + d8-THC

Total CBD = CBDa * 0.877 + CBD

Pesticide Analysis

Pass

Analyte	LOQ (ppm)	Limit (ppm)	Mass (ppm)	Status	
Abamectin	0.050	0.10	ND	Pass	
Acephate	0.050	0.10	ND	Pass	
Acequinocyl	0.050	0.10	ND	Pass	
Acetamiprid	0.050	0.10	ND	Pass	
Aldicarb	0.050	0.00	ND	Pass	
Azoxystrobin	0.050	0.10	ND	Pass	
Bifenazate	0.050	0.10	ND	Pass	
Bifenthrin	0.050	3.00	ND	Pass	
Boscalid	0.050	0.10	ND	Pass	
Captan	0.050	0.70	ND	Pass	
Carbaryl	0.050	0.50	ND	Pass	
Carbofuran	0.050	0.00	ND	Pass	
Chlorantraniliprole	0.050	10.00	ND	Pass	
Chlordane	0.050	0.00	ND	Pass	
Chlorfenapyr	0.050	0.00	ND	Pass	
Chlorpyrifos	0.050	0.00	ND	Pass	
Clofentezine	0.050	0.10	ND	Pass	
Coumaphos	0.050	0.00	ND	Pass	
Cyfluthrin	0.050	2.00	ND	Pass	
Cypermethrin	0.050	1.00	ND	Pass	
Daminozide	0.050	0.00	ND	Pass	
DDVP	0.050	0.00	ND	Pass	
Diazinon	0.050	0.10	ND	Pass	
Dimethoate	0.050	0.00	ND	Pass	
Dimethomorph	0.050	2.00	ND	Pass	
Ethoprophos	0.050	0.00	ND	Pass	
Etofenprox	0.050	0.00	ND	Pass	
Etoxazole	0.050	0.10	ND	Pass	
Fenhexamid	0.050	0.10	ND	Pass	
Fenoxycarb	0.050	0.00	ND		
Fenpyroximate	0.050	0.10	ND	Pass Pass	
Fipronil	0.050	0.00	ND		
Flonicamid	0.050	0.10	ND ND	Pass	
Fludioxonil	0.050	0.10	ND ND	Pass Pass	
	0.000	0.10	ND	rass	





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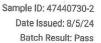
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Pesticide Analysis

Pass

Analyte	LOQ (ppm)	Limit (ppm)	Mass (ppm)	Status	
Hexythiazox	0.050	0.10	ND	Pass	
Imazalil	0.050	0.00	ND	Pass	
Imidacloprid	0.050	5.00	ND	Pass	
Kresoxim Methyl	0.050	0.10	ND	Pass	
Malathion	0.050	0.50	ND	Pass	
Metalaxyl	0.050	2.00	ND	Pass	
Methiocarb	0.050	0.00	ND	Pass	
Methomyl	0.050	1.00	ND	Pass	
Methyl Parathion	0.050	0.00	ND	Pass	
Mevinphos	0.050	0.00	ND	Pass	
Myclobutanil	0.050	0.10	ND	Pass	
Naled	0.050	0.10	ND	Pass	
Oxamyl	0.050	0.50	ND	Pass	
Paclobutrazol	0.050	0.00	ND	Pass	
Pentachloronitrobenzene	0.050	0.10	ND	Pass	
Permethrin	0.050	0.50	ND	Pass	
Phosmet	0.050	0.10	ND	Pass	
Piperonyl Butoxide	0.050	3.00	ND	Pass	
Prallethrin	0.050	0.10	ND	Pass	
Propiconazole	0.050	0.10	ND	Pass	
Propoxur	0.050	0.00	ND	Pass	
Pyrethrins	0.050	0.50	ND	Pass	
Pyridaben	0.050	0.10	ND	Pass	
Spinetoram	0.050	0.10	ND	Pass	
Spinosad	0.050	0.10	ND	Pass	
Spiromesifen	0.050	0.10	ND	Pass	
Spirotetramat	0.050	0.10	ND	Pass	
Spiroxamine	0.050	0.00	ND	Pass	
Tebuconazole	0.050	0.10	ND	Pass	
Thiacloprid	0.050	0.00	ND	Pass	
Thiamethoxam	0.050	5.00	ND	Pass	
Trifloxystrobin	0.050	0.10	ND	Pass	

Date Tested: 7/31/2024



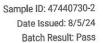


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	For R&D Use	Only - Not a California Comp	oliance Certificate,			
Mycotoxins						Pass
Analyte	LOQ (µg/g)	Limit (µg/g)	Mass (µg/g)	Status		
Aflatoxin B1	0.02	0.02	ND	Pass	 	
Aflatoxin B2	0.02	0.02	ND	Pass		
Aflatoxin G1	0.02	0.02	ND	Pass		
Aflatoxin G2	0.02	0.02	ND	Pass		
Ochratoxin A	0.02	0.02	ND	Pass		
Date Tested: 7/31/2024						
Heavy Metals Analysis						Pass
Analyte	LOQ (µg/g)	Limit (µg/g)	Mass (μg/g)	Status		
Arsenic	0.050	0.200	ND	Pass	 	
Cadmium	0.050	0.200	ND	Pass		
Lead	0.125	0.500	<loq< td=""><td>Pass</td><td></td><td></td></loq<>	Pass		
Mercury	0.025	0.100	ND	Pass		
Date Tested: 8/1/2024						
Microbial Analysis						Pass
Test			Result (CFU/g)	Status		
Aspergillus flavus			Absent / 1g	Pass		
Aspergillus fumigatus			Absent / 1g	Pass		
Aspergillus niger			Absent / 1g	Pass		
Aspergillus terreus			Absent / 1g	Pass		
Shiga-toxin producing Escherichia coli			Absent / 1g	Pass		
Salmonella			Absent / 1g	Pass		

Date Tested: 8/2/2024

CFU = Colony Forming Units





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Method References:

Testing Location

Cannabinoid Profile (UNODC)

FESA Labs - Santa Ana, CA

Official Methods of Analysis, Method 2018.11.AOAC INTERNATIONAL (modified), Lukas Vaclavik, Frantisek Benes, Alex Krmela, Veronika Svobodova, Jana Hajsolva, and Katerina Mastovska, "Quantification of Cannabinoids in Cannabis Dried Plant Materials, Concentrates, and Oils Liquid Chromatography-Diode Array Detection Technique with Optional Mass Spectrometric Detection," First Action Method, Journal of AOAC International, Future Issue

United Nations Office on Drugs and Crime - Recommended methods for identification and analysis of cannabis and cannabis products

Multi-Residue Pesticide Analysis - (AOAC_200701)

FESA Labs - Santa Ana, CA

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

Mycotoxins Analysis - 5 compounds (FDA_MYC)

Determination of Mycotoxins in Corn, Peanut Butter and Wheat Flour Using Stable Isotope Dilution Assay (SIDA) and Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) (modified).

Heavy Metals Analysis - 4 elements (EPA_200.8)

FESA Labs - Santa Ana, CA

Methods for the Determination of Metals in Environmental Standards - Supplement 1, EPA-600/R-94-111, May 1994.

"Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Mass Spectrometry", USEPA Method 200.8, Revision 5.1, EMMC Version

Microbial Analysis - (FDABAM_4A_5_18)

FESA Labs - Santa Ana, CA

U.S. Food and Drug Administration, Bacteriological Analytical Manual, Chapter 4A, Diarrheagenic Escherichia coli; Chapter 5, Salmonella; Chapter 18, Yeasts, Molds and

Testing Location:

FESA Labs 2002 S. Grand Ave., Suite A Santa Ana, CA 92705 (714) 540-0172