



Certificate ID: **52978 (Reissued)**
 Client Sample ID: **DSC_JM_041619**
 Lot Number: **2520472/2539809**
 Matrix: **Edibles - Pet Treats**

Received: **4/17/19**

Scan QR Code for authenticity



CBD MI™

Authorization: Jon Podgorni, Lab Manager	Signature: <i>Jon Podgorni</i>	Date: 5/8/2019
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The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2005. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01] Analyst: JSG Test Date: 4/19/2019

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations. Reissued to change lot number.

52978-CN

ID	Weight %	Concentration			
D9-THC	ND	ND			
THCV	ND	ND			
CBD	0.04 wt %	2.09 mg/Treat			
CBDV	ND	ND			
CBG	ND	ND			
CBC	ND	ND			
CBN	ND	ND			
THCA	ND	ND			
CBDA	ND	ND			
CBGA	ND	ND			
D8-THC	ND	ND			
exo-THC	ND	ND			
Total	0.04 wt%	2.09 mg/Treat	0%	Cannabinoids (wt%)	0.0%
Max THC	-	-			
Max CBD	0.04 wt%	2.09 mg/Treat			

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND = None detected above the limits of detection (LLD)

HM: Heavy Metal Analysis [WI-10-13]

Analyst: JFD

Test Date: 4/22/2019

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52978-HM

Symbol	Metal	Conc. ¹	Units	MDL	Use Limits ²		Units	Status
					All	Ingestion		
As	Arsenic	18	µg/kg	4	200	1500	µg/kg	PASS
Cd	Cadmium	9	µg/kg	1	200	500	µg/kg	PASS
Hg	Mercury	ND	µg/kg	2	100	1500	µg/kg	PASS
Pb	Lead	171	µg/kg	2	500	1000	µg/kg	PASS

1) ND = None detected to Lowest Limits of Detection (LLD)

2) MA Dept. of Public Health: Protocol for MMJ and MIPS, Exhibit 4(a) for all products.

3)USP exposure limits based on daily oral dosing of 1g of concentrate for a 110 lb person.

MB2: Pathogenic Bacterial Contaminants [WI-10-10]

Analyst: LabAdmin

Test Date: 4/19/2019

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52978-MB2

Test ID	Analysis	Results	Units	Limits*	Status
52978-ECPT	E. coli (O157)	Negative	NA	Non Detected	PASS
52978-SPT	Salmonella	Negative	NA	Non Detected	PASS

Note: All recorded pathogenic bacteria tests passed.

MY: Mycotoxin Testing [WI-10-05]

Analyst: AR

Test Date: 4/19/2019

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52978-MY

Test ID	Date	Results	MDL	Limits	Status*
Total Aflatoxin	4/19/2019	< MDL	2 ppb	< 20 ppb	PASS
Total Ochratoxin	4/19/2019	< MDL	3 ppb	< 20 ppb	PASS

VC: Analysis of Volatile Organic Compounds [WI-10-07]

Analyst: CMA

Test Date: 4/26/2019

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations.

52978-VC

Compound	CAS	Amount ¹	Limit ²	RL	Status
Propane	74-98-6	ND	1,000 ppm	200	PASS
Isobutane	75-28-5	ND	1,000 ppm	200	PASS
Butane	106-97-8	ND	1,000 ppm	200	PASS
Methanol	67-56-1	ND	3,000 ppm	200	PASS
Ethanol	64-17-5	ND	5,000 ppm	200	PASS
Acetone	67-64-1	ND	1,000 ppm	200	PASS
Isopropanol	67-63-0	ND	5,000 ppm	200	PASS
Acetonitrile	75-05-8	ND	410 ppm	200	PASS
Hexane	110-54-3	ND	290 ppm	200	PASS
Heptane	142-82-5	ND	5,000 ppm	200	PASS

1) ND = Not detected at a level greater than the Reporting Limit (RL).

2) In ppm, based on USP recommended limits for residual solvents, adopted by the Massachusetts Department of Public Health on 3/31/16.

Butane/Propane limits are based on limits established for state of Colorado.

END OF REPORT