Bia Diagnostics Laboratories

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Certificate of Analysis

Company: Mansfield Provisions/ MP Labs
PO Box 3112
Burlington, VT 05408
Customer ID: 190830-1
Grower License #:

Sample ID: Lot #00032-2020-003
Lot: Lot #00032-2020-003
Matrix: Concentrate
Date Sampled: 11/18/2020
Date Received: 11/18/2020

Report Date: 11/23/2020
Date Analyzed: 11/20/2020
Analyst: SCG
Report ID: C201118AC

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	15.19	1.52
CBDA	0.0008	<LOQ	<LOQ
CBGA	0.0008	<LOQ	<LOQ
CBG	0.0019	13.06	1.31
CBD	0.0019	740.52	74.05
THCV	0.0021	1.90	0.19
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	28.28	2.83
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	<LOQ	<LOQ
CBC	0.0024	33.27	3.33
Total THC		28.28	2.83
Total CBD		740.52	74.05
Total Cannabinoids		832.22	83.22

2.83% **Total THC**	74.05% **Total CBD**
83.22% **Total Cannabinoids**	2.83% **Δ9-THC**
N/A **Percent Moisture**	1 : 26.2 **THC : CBD Ratio**

Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)

Total CBD and total THC are calculated values, to account for assumed decarboxylation from the acid form (THCA or CBDA) to the neutral form, causing weight loss of the acid group.

These values are calculated as follows:

Total THC = (THCA x 0.877) + Δ9-THC

Total CBD = (CBDA x 0.877) + CBD

Ratio of Total CBD: Total THC

Reagent Blanks: < LOQs for all analytes

LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.