Bia Diagnostics Laboratories

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ART CLASS

Certificate of Analysis

Company: Moon Water Farms of Vermont
103 Scandore Dr
North Hero, VT 05474
Customer ID: 221019-2
Grower License #: S-00000087

Sample ID: S-00000087-001 -001
Lot: N/A
Matrix: Flower
Date Sampled: N/A
Date Received: 10/19/2022

Report Date: 11/2/2022
Date Analyzed: 11/2/2022
Analyst: 011
Report ID: C221019AP

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	0.86	0.09
CBGA	0.0008	7.38	0.74
CBG	0.0019	1.08	0.11
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	1.46	0.15
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	235.46	23.55
CBC	0.0024	0.55	0.06
Total THC		207.95	20.80
Total CBD		0.75	0.08
Total Cannabinoids		246.79	24.68

20.8% Total THC	0.08% Total CBD
24.68% Total Cannabinoids	0.15% Δ9-THC
11.90% Percent Moisture	1 : 0 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

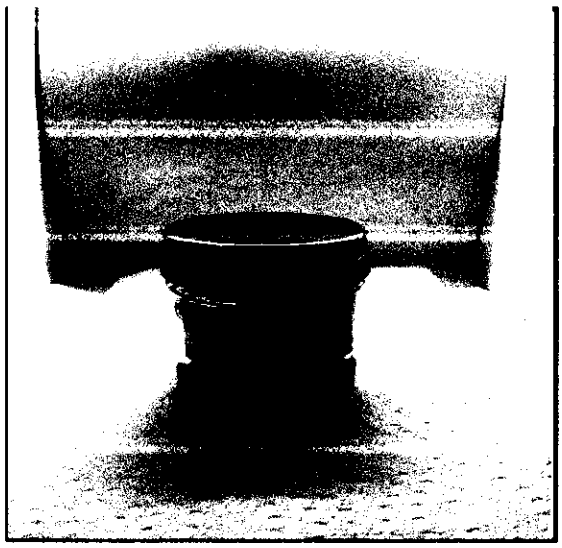
LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (<LOQ).

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

Measurement of Uncertainty (MU): the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement.
Δ9-THC MU = ±0.005% Total THC MU = ±0.007%

All other cannabinoid MU values are available upon request.

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.



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Certified by: Luke E. M
Luke Emerson Mason (Laboratory Director, Bia Diagnostics)