

Office: 802-540-0148 | Fax: 802-540-0147 480 HERCULES DR. COLCHESTER, VT 05446

Report Date: 1/23/2023

Date Analyzed: 1/19/2023

Analyst: 050

Certificate of Analysis

Company: Pinnacle Valley Organics

Sample ID: Shire 2.0

574 VT Route 12S Lot: CLTV0077-04-0021 Randolph, VT 05060 Matrix: Flower

Customer ID: 221128-2 Date Sampled: N/A

Grower License #: CLTV0077 **Date Received: 1/10/2023** Report ID: C230110AG

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBDV	0.0012	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBDA	0.0008	0.64	0.06
CBGA	0.0008	12.48	1.25
CBG	0.0019	1.25	0.12
CBD	0.0019	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
THCV	0.0021	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBN	0.0013	1.03	0.10
Δ9-ΤΗС	0.0020	4.79	0.48
Δ8-ΤΗС	0.0019	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
THC-A	0.0034	205.08	20.51
СВС	0.0024	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Total THC		184.65	18.46
Total CBD		0.56	0.06
Total Cannabinoids		225.27	22.53

18.46% 0.06% **Total THC Total CBD**

22.53% **Total** Cannabinoids

0.48% Δ9-ΤΗС

10.66% Percent Moisture

THC: CBD **Ratio**

1:0

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) + Δ 9-THC Total CBD = (CBDA \times 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.

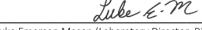
Measurement of Uncertainty (MU): the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement. $\Delta 9$ -THC MU = ±0.005% Total THC MU = ±0.007%

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.

This report shall not be reproduced except in full without approval of the laboratory. This is to provide assurance that parts of a report are not taken out of context. Results apply to the Certified by: samples as received.





Luke Emerson Mason (Laboratory Director, Bia Diagnostics)