

SAMPLE NAME: Broad Spectrum Releaf Balm 1000

Infused, Hemp Infused

CULTIVATOR / MANUFACTURER

Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR

Business Name: AVIDA CBD
License Number:
Address:
 CA



SAMPLE DETAIL

Batch Number: BSB1000210728
Sample ID: 210803R003

Date Collected: 08/03/2021
Date Received: 08/03/2021
Batch Size:
Sample Size:
Unit Mass: 28 grams per Unit
Serving Size:



Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: Not Detected

Total CBD: 1418.396 mg/unit

Sum of Cannabinoids: 1422.148 mg/unit

Total Cannabinoids: 1422.148 mg/unit

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:
 Total THC = $\Delta 9\text{THC} + (\text{THCa} \cdot 0.877)$
 Total CBD = $\text{CBD} + (\text{CBDA} \cdot 0.877)$
 Sum of Cannabinoids = $\Delta 9\text{THC} + \text{THCa} + \text{CBD} + \text{CBDA} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$
 Total Cannabinoids = $(\Delta 9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDA}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: 1.7746%

● Linalool 11.925 mg/g
 ● Terpinolene 1.261 mg/g
 ● β Caryophyllene 1.009 mg/g

SAFETY ANALYSIS - SUMMARY

For quality assurance purposes. Not a Pre-Harvest Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: Action Limits used in this report are a compilation of guidance from state regulatory agencies in all states. Action limits for required tests are either state-specific, or the lower of any conflicting state regulations based upon the panel requested.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

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



LQC verified by: Michael Pham
 Date: 08/06/2021



Approved by: Josh Wurzer, President
 Date: 08/06/2021



Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: Not Detected

Total THC ($\Delta 9$ THC+0.877*THCa)

TOTAL CBD: 1418.396 mg/unit

Total CBD (CBD+0.877*CBDA)

TOTAL CANNABINOIDS: 1422.148 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + $\Delta 8$ THC + CBL + CBN

TOTAL CBG: ND

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: ND

Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 3.752 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 08/05/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	±2.4265	50.657	5.0657
CBDV	0.002 / 0.012	±0.0070	0.134	0.0134
$\Delta 9$ THC	0.002 / 0.014	N/A	ND	ND
$\Delta 8$ THC	0.01 / 0.02	N/A	ND	ND
THCa	0.001 / 0.005	N/A	ND	ND
THCV	0.002 / 0.012	N/A	ND	ND
THCVa	0.002 / 0.019	N/A	ND	ND
CBDA	0.001 / 0.026	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBG	0.002 / 0.006	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBL	0.003 / 0.010	N/A	ND	ND
CBN	0.001 / 0.007	N/A	ND	ND
CBC	0.003 / 0.010	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNABINOIDS			50.791 mg/g	5.0791%

Unit Mass: 28 grams per Unit

$\Delta 9$ THC per Unit	ND
Total THC per Unit	ND
CBD per Unit	1418.396 mg/unit
Total CBD per Unit	1418.396 mg/unit
Sum of Cannabinoids per Unit	1422.148 mg/unit
Total Cannabinoids per Unit	1422.148 mg/unit





Terpenoid Analysis

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID).

Method: QSP 1192 - Analysis of Terpenoids by GC-FID

1 Linalool

A monoterpenoid alcohol with a fragrance that can be described as spicy, waxy, citrus and floral. It is commonly used as an insecticide against cockroaches, flies, fleas and other insects. Found in basil, lavender, cinnamon, hops, mugwort, goldenrods...etc.

2 Terpinolene

Also known as δ -terpinene, it is of four isomers of the monoterpene Terpinene. It has a fragrance that can be described as fresh, woody, piney, herbal with a hint of lemon. Found in conifers, cumin, apple, rosemary, sage, tea tree, lilac, nutmeg...etc.

3 β Caryophyllene

A sesquiterpene with a fragrance that can be described as spicy, woody, dry, dusty and mildly sweet. It was one of the first organic compounds to fully synthesized in a laboratory and plays a role in the endocannabinoid system as it is a functional CB₂ receptor agonist. Found in black pepper, clove, hops, rosemary, black-jack, perilla, spicebush, Indian pennywort, celery, frankincense, vitex, parsley, marigold, tamarind...etc.

TERPENOID TEST RESULTS - 08/06/2021

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
Linalool	0.009 / 0.032	±0.4532	11.925	1.1925
Terpinolene	0.008 / 0.026	±0.0259	1.261	0.1261
β Caryophyllene	0.004 / 0.012	±0.0359	1.009	0.1009
Eucalyptol	0.006 / 0.018	±0.0217	0.856	0.0856
Camphor	0.006 / 0.019	±0.0258	0.725	0.0725
Geranyl Acetate	0.004 / 0.014	±0.0161	0.386	0.0386
α Pinene	0.005 / 0.017	±0.0033	0.381	0.0381
Terpineol	0.016 / 0.055	±0.0204	0.333	0.0333
Isoborneol	0.004 / 0.012	±0.0111	0.273	0.0273
Limonene	0.005 / 0.016	±0.0034	0.236	0.0236
Nerol	0.003 / 0.011	±0.0069	0.155	0.0155
p-Cymene	0.005 / 0.016	±0.0033	0.122	0.0122
β Pinene	0.004 / 0.014	±0.0003	0.028	0.0028
γ Terpinene	0.006 / 0.018	±0.0004	0.022	0.0022
Sabinene	0.004 / 0.014	±0.0002	0.018	0.0018
Borneol	0.005 / 0.016	±0.0007	0.016	0.0016
Myrcene	0.008 / 0.025	N/A	<LOQ	<LOQ
Ocimene	0.011 / 0.038	N/A	<LOQ	<LOQ
Fenchol	0.010 / 0.034	N/A	<LOQ	<LOQ
Caryophyllene Oxide	0.010 / 0.033	N/A	<LOQ	<LOQ
Camphene	0.005 / 0.015	N/A	ND	ND
α Phellandrene	0.006 / 0.020	N/A	ND	ND
3 Carene	0.005 / 0.018	N/A	ND	ND
α Terpinene	0.005 / 0.017	N/A	ND	ND
Sabinene Hydrate	0.006 / 0.022	N/A	ND	ND
Fenchone	0.009 / 0.028	N/A	ND	ND
(-)-Isopulegol	0.005 / 0.016	N/A	ND	ND
Menthol	0.008 / 0.025	N/A	ND	ND
Citronellol	0.003 / 0.010	N/A	ND	ND
R-(+)-Pulegone	0.003 / 0.011	N/A	ND	ND
Geraniol	0.002 / 0.007	N/A	ND	ND
α Cedrene	0.005 / 0.016	N/A	ND	ND
trans- β -Farnesene	0.008 / 0.025	N/A	ND	ND
α Humulene	0.009 / 0.029	N/A	ND	ND
Valencene	0.009 / 0.030	N/A	ND	ND
Nerolidol	0.009 / 0.028	N/A	ND	ND
Guaiol	0.009 / 0.030	N/A	ND	ND
Cedrol	0.008 / 0.027	N/A	ND	ND
α Bisabolol	0.008 / 0.026	N/A	ND	ND
TOTAL TERPENOIDS			17.746 mg/g	1.7746%

