

21 O'Bryan Drive Brattleboro VT 05301 Northeastprocessing.com

### **PRODUCT INFORMATION**

**Product:** Hemp Derived Whole Plant Concentrate

**Description:** 750 MG CBD in 1 FL OZ of Organic MCT

Mfg Date: 21-Nov-19

**Biomass Source:** Serious Dirt Botanics, Inc

Cultivar: T2

Batch Code: W1930095V1N02

**Production Run Code:** VE1933002

Product Code: W25MN-30



PRODUCT DATA						
Parameter	Test Procedure	Specification	Units	Result		
Appearance (20 - 25°C)	ASTM E1627 - 11	Amber viscous liquid.			PASS	
Odor (20 - 25°C)	ASTM E1627 - 11	Floral, earthy	-		PASS	
Total CBD (Potency)	C5210-LCUV (Internal)	750-790	mg/mL	756	PASS	
CBDA	C5210-LCUV (Internal)	≤ 10	%w/w	< 0.05	PASS	
Delta 9-THC	C5210-LCUV (Internal)	210-LCUV (Internal) $\leq 0.34$ %w/w 0.1		0.12	PASS	
THCA-A	C5210-LCUV (Internal)	≤ 0.05	%w/w	< 0.05	PASS	
Minor Cannabinoids	C6198 LCMSMS (Internal)	≥ 0.01	%w/w	0.20	PASS	
Terpenes	C5933-GCMS (Internal)	≥ 100	PPM	138	PASS	
Water Activity	D8196-18	≤ 0.600	Aw	0.452	PASS	
Residual Solvent	C5923-GCMS (Internal)	USP 467	%w/w	-	PASS	
Pesticides*	C5838 LCMSMS/AOAC 2007.01	ORS OAR 333-007-0400	ppb		PASS	
Mycotoxins*	C5838 LCMSMS/AOAC 2007.01	MDH Exhibit 6	ppb		PASS	
Heavy Metals	ICPMS (External Partner)	MDH Exihibit 4	ppb	-	PASS	

**Product of Vermont** 

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### **PRODUCT STABILITY**

**Recommended Storage:** 20-25 ° C (68-77° F), Refrigerate for long term storage (> 3 months). **Retest Date:** 1-Dec-21 Avoid exposure to extreme hot or cold and protect from exposure to light.

**IMPORTANT:** Some data for this product are collected using NEP internal analytical testing procedures undergoing validation. Testing results will vary within reasonable procedure performance limits. Results demonstrating regulatory compliance are provided by NEP are for directional purposes in support of manufacturing processes and are not a substitute for 3rd party lab testing of this material. External testing denoted by "(External)" in procedure field is performed by BiaDiagnostics (Colchester, VT).

Approved by:

**Date:** 12-Dec-19

Name: Keith Griswold, M.S.

Title: Director of Analytics & Formulations

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<sup>\*</sup>Residual solvents are evaluated against USP 467 MRLs for Methanol, Pentane, Ethanol, Aceton, Isopropanol, Acetonitrile, Hexanes, Tetrahydrofuran, Chloroform, Heptane, Tolune, Xylene.

<sup>\*</sup>Pesticides are evaluated against Oregon Health Authority (OAR) MRLs for Bifenazate, Bifenthrin, Cyfluthrin, Etoxale, Imazalil, Imidacloprid, Myclobutinal, Spiremesifen, Trifloxstrobin.

<sup>\*</sup>Mycotoxins are evaluated against Massachusettes Department of Health (MDH) Exhibit 6 for Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2, Ochratroxin A. \*Heavy Metals are evaluated against Massachusettes Department of Health (MDH) Exhibit 4) for lead, cadmium, mercury, arsenic.

<sup>\*</sup>Data collected on flower and concentrate source material.

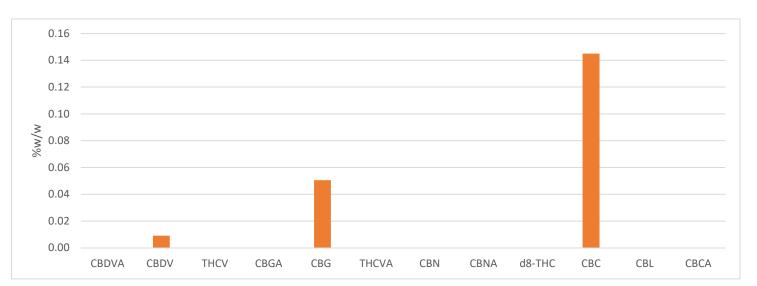


**Minor Cannabinoids** 

**Product:** Hemp Derived Whole Plant Concentrate **Product Batch ID:** W1930095V1N02

**Procedure ID:** C6198 LCMSMS (Internal)

**Total Minor Cannabinoids:** 0.20 %w/w



Analyte	Reporting Limit	%W/W	MG/G
Cannabidivarinic Acid (CBDVA)	0.01% w/w	< 0.01	-
Cannabidivarin (CBDV)	0.01% w/w	0.01	0.09
Tetrahdrocannabivarin (THCV)	0.01% w/w	< 0.01	-
Cannabigerolic Acid (CBGA)	0.01% w/w	< 0.01	-
Cannabigerol (CBG)	0.01% w/w	0.05	0.50
Tetrahdrocannabivarinic Acid (THCVA)	0.01% w/w	< 0.01	-
Cannabinol (CBN)	0.01% w/w	< 0.01	-
Cannabinolic Acid (CBNA)	0.01% w/w	< 0.01	-
Delta 8-THC	0.01% w/w	< 0.01	-
Cannabichromene (CBC)	0.01% w/w	0.15	1.45
Cannabicyclol (CBL)	0.01% w/w	< 0.01	-
Cannabichromic Acid (CBCA)	0.01% w/w	< 0.01	-

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Terpene Profile				
	ved Whole Plant Concentrate	Product Batch ID:	W1930095V1N02	
Procedure ID:	C5933-GCMS (Internal)	Total Tornance	120	nnm
		Total Terpenes:	138	ppm
Analyte	Uni	ts Reporting	Limit	Results
α-Pinene	PP			< 2
Camphene	PP	M 2		< 2
Sabinene-	PP	M 2		< 2
$\beta$ -Pinene	PP	M 2		< 2
β-Myrcene	PP	M 2		< 2
.α-Phellandrene	PP	M 2		< 2
Carene	PP	M 2		< 2
lpha-Terpinene	PP	M 2		< 2
D-Limonene	PP			< 2
o-Cymene	PP			< 2
Eucalyptol	PP			< 2
β-Ocimene	PP			< 2
γTerpinene	PPI			< 2
Terpinolene	PP	M 2		< 2
Sabinene Hydrate	PP	M 2		< 2
Fenchone	PPI	M 2		< 2
Linalool	PPI			2
Fenchol	PP	M 2		< 2
Isopulegol	PPI	M 2		< 2
Camphor	PPI			< 2
Isoborneol	PPI			< 2
Menthol	PPI			< 2
endo-Borneol	PPI			6
α-Terpineol	PPI			5
γ Terpineol	PP			< 2
Nerol	PPI			< 2
Pulegone	PPI			< 2
Geraniol	PPI			< 2
Geranyl acetate	PPI			< 2
α-Cedrene	PPI			< 2
(E)-β-Famesene	PP			< 2
Caryophyllene	PPI			60
α-Humulene	PPI			16
trans-Neradiol	PPI			< 2
cis-Neradiol	PPI			6
Valencene	PPI			< 2
Guaiol	PPI			< 2
Caryophyllene Oxide	PPI			30
Cedrol	PP			< 2
α-Bisabolol	PPI			13

<sup>\*</sup>BQL - Below quantitation limit

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**Residual Solvents** 

**Product:** Hemp Derived Whole Plant Concentrate **Product Batch ID:** W1930095V1N02

Procedure ID: ICPMS (External Partner)

Analyte	Units	Reporting Limit	MRL (USP 467)	Res	ult
Methanol	%w/w	0.05	0.30	< 0.05	PASS
Pentane	%w/w	0.003	0.50	< 0.003	PASS
Ethanol	%w/w	0.05	0.50	0.07	PASS
Acetone	%w/w	0.05	0.50	< 0.05	PASS
Isopropanol	%w/w	0.05	0.50	<0.05	PASS
Acetonitrile	%w/w	0.003	0.04	< 0.003	PASS
n-Hexane	%w/w	0.003	0.03	< 0.003	PASS
Tetrahydrofuran	%w/w	0.003	0.07	< 0.003	PASS
Chloroform	%w/w	0.003	0.01	< 0.003	PASS
n-Heptane	%w/w	0.02	0.50	< 0.02	PASS
Toluene	%w/w	0.003	0.09	< 0.003	PASS
m & p Xylene	%w/w	0.003	0.22	< 0.003	PASS

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