Certificate of Analysis

Product Specifications

21 O'Bryan Drive
Brattleboro, VT 05301
Ph: (802) 490 2865
analytics@northeastprocessing.com

Product:	Rest	**Harvest Source:**	Vermont, USA
Description:	Hemp derived whole plant extract in organic coconut oil with chocolate mint.	**Cultivar:**	Midwest
Unit Size:	15 mL	**Batch ID:**	86590200009
Serving Size:	1 mL	**Production ID:**	PS200609224
Product Code:	W50MAF-15	**DOM:**	9-Jun-20

Quality	Method	Specification	Result	
Total CBD:	C5210-HPLCUV (Internal)	> 750 MG	**792**	PASS
Total THC:	C5210-HPLCUV (Internal)	< 0.30 %	**0.20**	PASS
Appearance:	ASTM E1627 - 11	Light amber viscious liquid		PASS
Odor:	ASTM E1627 - 11	Floral, earthy, smooth mint		PASS
Total Terpenes:	C5933-GCMS (Internal)	Detectable (PPM)	140	PASS
Minor Cannabinoids:	C6198 LCMSMS (Internal)	Detectable (MG)	70	PASS

Safety	Method	Specification	Result	
Water Activity	D8196-18	< 0.600	0.301	PASS
Solvents:	C5923-GCMS (Internal)	USP 467		PASS
Pesticides:	C5838 LCMSMS/AOAC 2007.01	OAR333-007-0400/EPA		PASS
Mycotoxins:	C5838 LCMSMS/AOAC 2007.01	MDH Exhibit 6		PASS
Heavy Metals:	ICPMS (External Partner)	MDH Exihibit 4		PASS

Product of Vermont USA

Test Method: C5210 HPLC-UV (Internal)

Terpene Profile	Parts Per Million		Parts Per Million
a-Pinene	<2	Isoborneol	<2
Camphene	<2	Menthol	<2
Sabinene-	<2	endo-Borneol	<2
b-Pinene	<2	a-Terpineol	6
b-Myrcene	14	g Terpineol	<2
a-Phellandrene	<2	Nerol	<2
Carene	<2	Pulegone	<2
a-Terpinene	<2	Geraniol	<2
D-Limonene	<2	Geranyl acetate	<2
o-Cymene	<2	a-Cedrene	<2
Eucalyptol	<2	(E)-b-Famesene	<2
b-Ocimene	<2	Caryophyllene	77
gTerpinene	<2	a-Humulene	21
Terpinolene	<2	trans-Neradiol	2
Sabinene Hydrate	<2	cis-Neradiol	2
Fenchone	<2	Valencene	<2
Linalool	6	Guaiol	<2
Fenchol	2	Caryophyllene Oxide	<2
Isopulegol	<2	Cedrol	<2
Camphor	<2	a-Bisabolol	10

Test Method: C5210 HPLC-UV (Internal)

Cannabinoid Potency	MG Per Unit	MG Per Serving
CBD	792	52.78
CBDA	<7.01	<0.47
d9-THC	28	1.85
THCA-A	<7.01	<0.47
d8-THC	<0.7	<0.05
CBG	19.3	1.29
CBGA	<0.7	<0.05
CBN	<0.7	<0.05
CBNA	<0.7	<0.05
CBC	32.5	2.17
CBCA	<0.7	<0.05
CBDV	12.9	0.86
CBDVA	<0.7	<0.05
THCV	5.09	0.34
THCVA	<0.7	<0.05
CBL	<0.7	<0.05

Recommended Storage: 20-25 ° C (68-77° F), Refrigerate for long term storage (> 3 months); avoid exposure to prolonged heat and light.

Retest Date: 1-Jun-20

Product Information: Hemp derived whole plant tinctures are intended for oral ingestion; recommended serving size is 0.5 - 1.0 mL.

Approved By:

Representative: Keith Griswold, MS

Title: Chief Scientific Officer

Date: 11-Jun-20

Data reported in this document pertains only to this batch and as sampled according to QMT.PLN.01.03. All rights are reserved to the producer and distrobutor of this product. Unauthorized reporduction of this data is prohibited. All testing is performed with internally developed test methods that have been verified or validated in accordance to AOAC and ICH guidelines. Test method performance is monitored through control charting.

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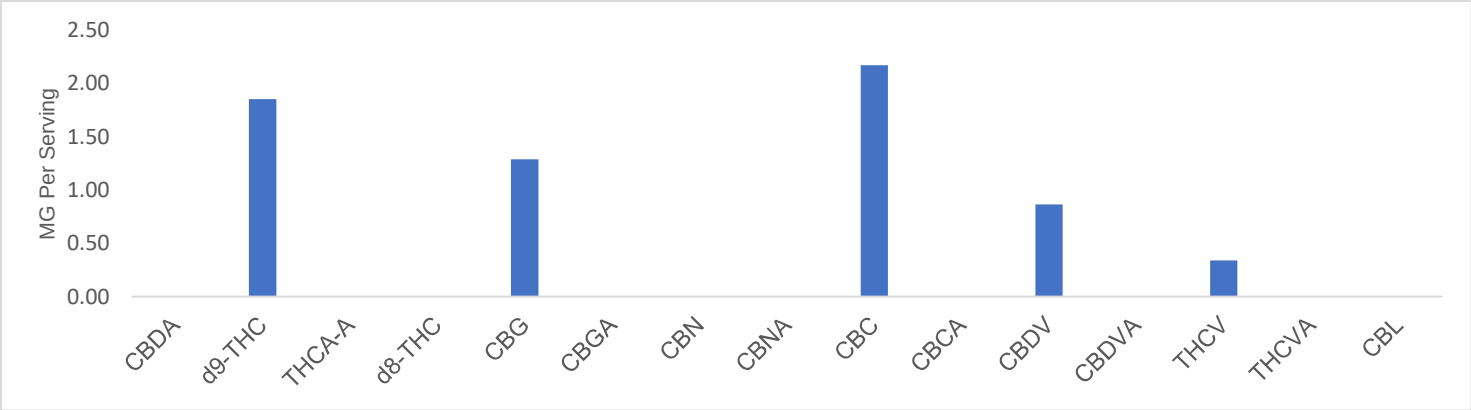
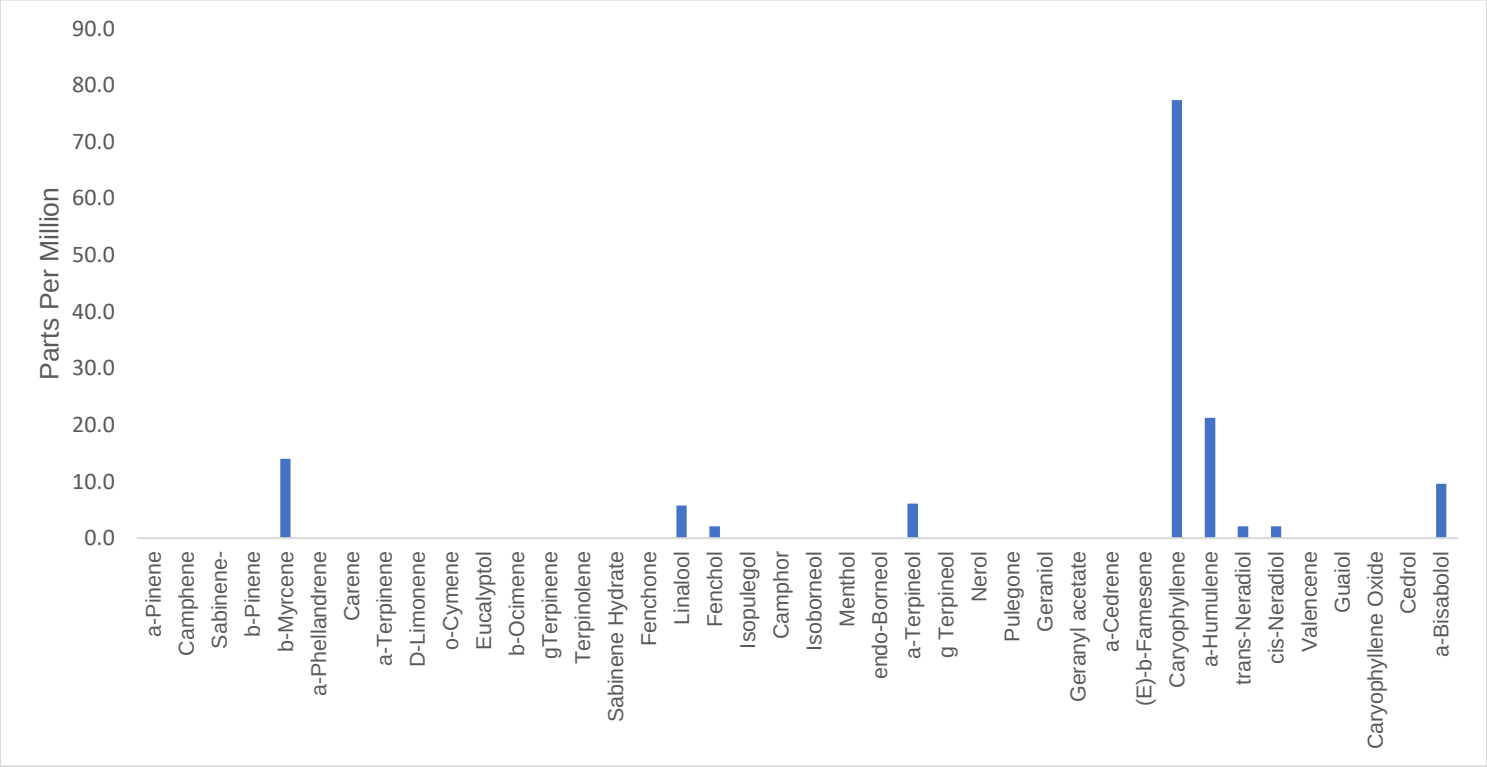
Batch ID:	86590200009	**Parameter:**	Cannabinoid Potency
DOM:	9-Jun-20	**Test Method:**	C6198 LCMSMS (Internal); LOQ = 0.005%



Batch ID:	86590200009	**Parameter:**	Terpene Profile
DOM:	9-Jun-20	**Test Method:**	C5933 GCMS (Internal); Static Headspace; LOQ = 2 ppm



**Terpenes represented of hemp derived before any flavouring is added.*

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Batch ID: 86590200009 **Parameter:** Residual Solvents
DOM: 9-Jun-20 **Test Method:** C5923 GCMS (Internal); Static Headspace

Analyte	Units	Reporting Limit	Action Limit	Result	Status
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	<0.05	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

**Action limit based on USP 467 requirements for residual solvents Class I, II and III.*

Batch ID: 86590200009 **Parameter:** Myctoxins
DOM: 9-Jun-20 **Test Method:** C5838 LCMSMS/AOAC 2007.01

Analytes	Units	Reporting Limit	Action Limit	Results	
Mycotoxins	ppb	n/a	20	< 20	PASS

Batch ID: 86590200009 **Parameter:** Pesticides
DOM: 9-Jun-20 **Test Method:** C5838 LCMSMS/AOAC 2007.01

Analyte	Units	Reporting Limit	Action Limit	Results	Status
Bifenazate	ppm	0.10	0.20	<0.10	PASS
Etoxale	ppm	0.05	0.20	< 0.05	PASS
Imazalil	ppm	0.05	0.20	<0.05	PASS
Imidacloprid	ppm	0.05	0.40	<0.05	PASS
Myclobutanil	ppm	0.05	0.20	<0.05	PASS
Spiromesifen	ppm	0.05	0.20	<0.05	PASS
Trifloxystrobin	ppm	0.05	0.20	<0.05	PASS

Reporting limit for all mycotoxins screened is 2 parts per billion (ppb); Action level, maximum level allowed by EPA/Orgeon Regulations

Batch ID: 86590200009 **Parameter:** Heavy Metals
DOM: 9-Jun-20 **Test Method:** PMS (External Partner)

Analyte	Units	Reporting Limit	Action Limit	Results*	Status
As	ppb	0.1	200	2.4	PASS
Hg	ppb	0.1	100	3.9	PASS
Cd	ppb	0.1	200	91	PASS
Pb	ppb	0.1	500	12	PASS

**Derived from whole flower prior to extraction and formulation*

Approved By:

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Date: 11-Jun-20