

Product:	CBD Rich Pain Relief Gel	Harvest Source:	Sugar Bottom Hemp Company
Description:	Hemp derived whole plant extract in a cooling gel with camphor and menthol.	Cultivar:	Peacemaker/Cascade Blend
Unit Size:	57 g	Batch ID:	86590200148
Product Code:	PG500-2OZ	Production ID:	PS200825324
		DOM:	26-Aug-20

Quality	Method	Specification	Result
Total CBD:	C5210-HPLCUV (Internal)	> 750 MG	767 PASS
Total THC:	C5210-HPLCUV (Internal)	< 0.34%	0.06 PASS
Appearance:	ASTM E1627 - 11	Beige gel, liquid suspension	PASS
Odor:	ASTM E1627 - 11	Piquant, fresh	PASS
HempTerpenes:	C6198 LCMSMS (Internal)	Detectable (MG)	147 PASS
Minor Cannabinoids:	C5933-GCMS (Internal)	Detectable (MG)	113 PASS
Safety	Method	Specification	Result
Water Activity	D8196-18	Not Tested	
Solvents:	C5923-GCMS (Internal)	USP 467	PASS
Pesticides:	MCR-TM-0009 LCMSMS	MDH Exhibit 5	PASS
Mycotoxins:	MCR-TM-0013 LCMSMS	MDH Exhibit 6	PASS
Heavy Metals:	MCR-TM-0008 ICPMS	MDH Exhibit 4	PASS

Product of Vermont USA



Test Method: C9533 GCMS (Internal)

Test Method: C5210 HPLC-UV (Internal)

Terpene Profile		Parts Per Million	Parts Per Million	Cannabinoid Potency	MG Per Unit
a-Pinene	<2	Isoborneol	<2	CBD	767
Camphene	<2	Menthol	<2	CBDA	<28.5
Sabinene-	<2	endo-Borneol	<2	d9-THC	34.2
b-Pinene	<2	a-Terpeneol	3	THCA-A	<28.5
b-Myrcene	21	g Terpeneol	<2	d8-THC	<2.85
a-Phellandrene	<2	Nerol	<2	CBG	38.33
Carene	<2	Pulegone	<2	CBGA	<2.85
a-Terpinene	<2	Geraniol	<2	CBN	<2.85
D-Limonene	4	Geranyl acetate	<2	CBNA	<2.85
o-Cymene	<2	a-Cedrene	<2	CBC	47.82
Eucalyptol	<2	(E)-b-Famesene	<2	CBCA	<2.85
b-Ocimene	<2	Caryophyllene	82	CBDV	19.02
gTerpinene	<2	a-Humulene	21	CBDVA	<2.85
Terpinolene	<2	trans-Neradiol	<2	THCV	7.48
Sabinene Hydrate	<2	cis-Neradiol	<2	THCVA	<2.85
Fenchone	<2	Valencene	<2	CBL	<2.85
Linalool	3	Guaiol	2		
Fenchol	6	Caryophyllene Oxide	3		
Isopulegol	<2	Cedrol	<2		
Camphor	<2	a-Bisabolol	4		

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-Sep-22

Product Information: Hemp derived cooling gel contains CBD rich whole plant extract, menthol, camphor and essential oils; TOPICAL USE ONLY

Approved By:



Representative: Keith Griswold, MS

Title: Chief Scientific Officer

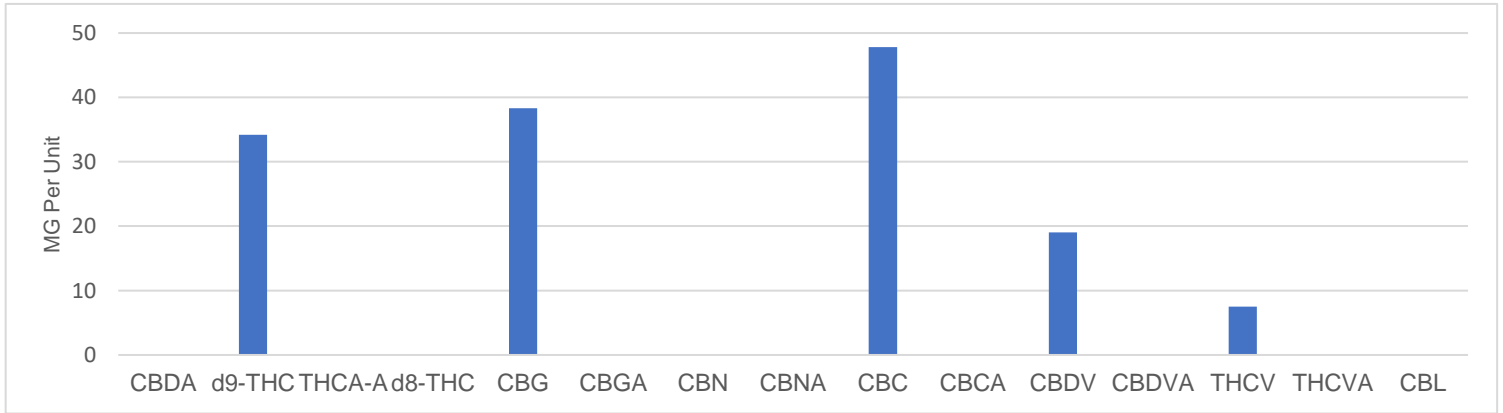
Date: 27-Sep-20



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 distributor of this product. Unauthorized reproduction 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.

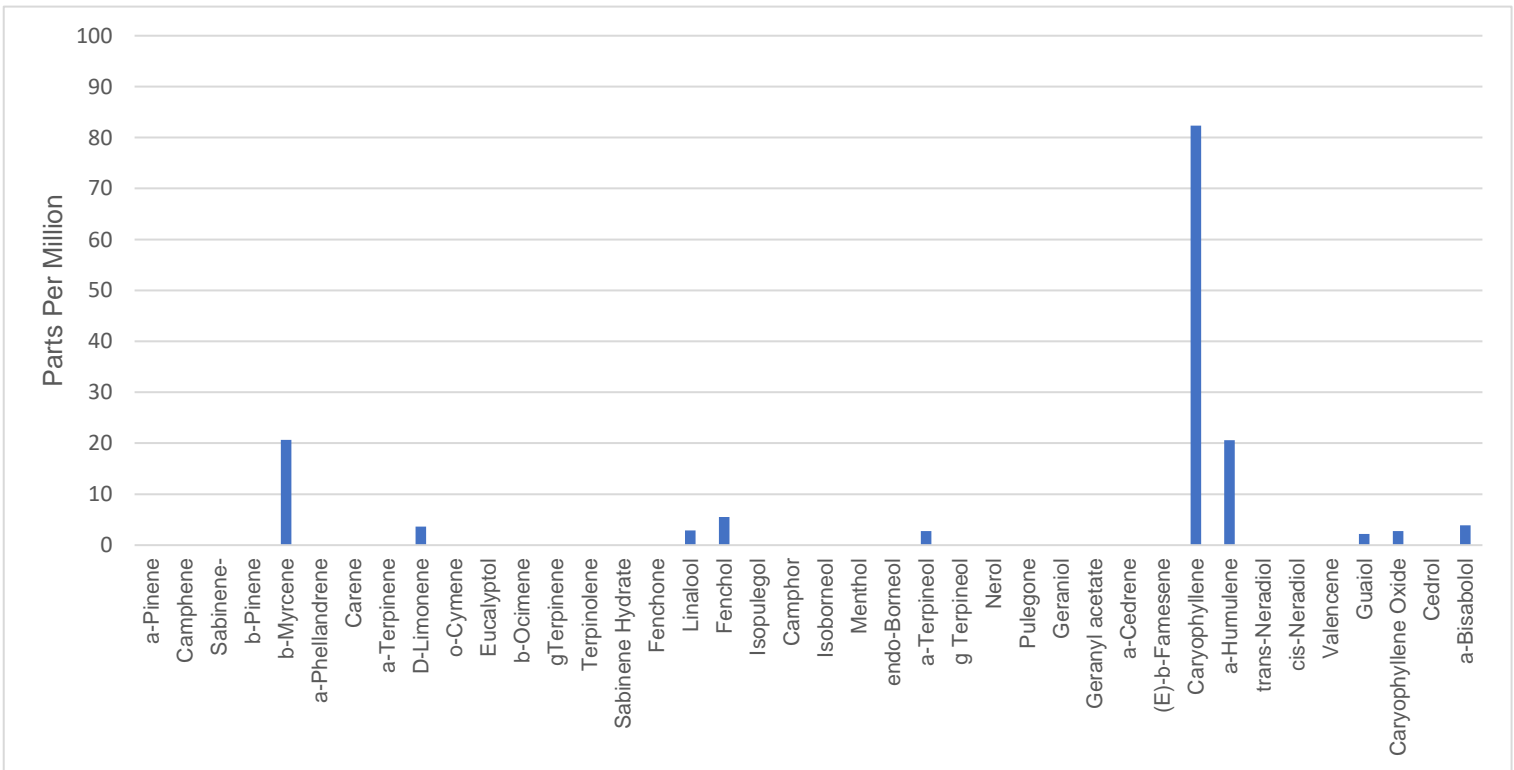
Batch ID: 86590200148
DOM: 26-Aug-20

Parameter: Cannabinoid Potency
Test Method: C6198 LCMSMS (Internal); LOQ = 0.005%



Batch ID: 86590200148
DOM: 26-Aug-20

Parameter: Terpene Profile
Test Method: C5933 GCMS (Internal); Static Headspace; LOQ = 2 ppm



**Hemp terpenes measured in process intermediate before the addition of other active ingredients and fragrances.*

Approved By:



Representative: Keith Griswold, MS

Title: Chief Scientific Officer

Date: 27-Sep-20



Certificate of Analysis

Product Specifications

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

Batch ID: 86590200148 **Parameter:** Residual Solvents
DOM: 26-Aug-20 **Test Method:** C5923 GCMS (Internal); Static Headspace

Analyte	Units	Reporting Limit	MRL (USP 467)	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

Batch ID: 86590200148 **Parameter:** Mycotoxins
DOM: 26-Aug-20 **Test Method:** C5838 LCMSMS/AOAC 2007.01

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

Batch ID: 86590200148 **Parameter:** Pesticides
DOM: 26-Aug-20 **Test Method:** C5838 LCMSMS/AOAC 2007.01

Analyte	Units	Reporting Limit	Action Limit	Results	
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); MRL - maximum residual limit allowed by EPA/Orgeon Regulations; data generated on source hemp concentrate.

Batch ID: 86590200148 **Parameter:** Heavy Metals
DOM: 26-Aug-20 **Test Method:** ICPMS (External Partner)

Analyte	Units	Reporting Limit	Action Limit	Results	Status
As	ppb	42.8	200	31	PASS
Hg	ppb	37.1	100	< 0.1	PASS
Cd	ppb	27.5	200	49	PASS
Pb	ppb	23.1	500	73	PASS

**Results generated on source botanical.*

Approved By:

Representative: Keith Griswold, MS

Title: Chief Scientific Officer

Date: 27-Sep-20

