

Prepared for:

Casper's Oil

6705 Hwy 290 West PMB 50220
Austin, TX USA 78735

Casper's Oil USDA Organic Full Spectrum 1000mg

Batch ID or Lot Number: 0365679	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 7
Reported: 17Aug2023	Started: 17Aug2023	Received: 15Aug2023	


Residual Solvents


Test ID: T000253094

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	79 - 1577	ND	
Butanes (Isobutane, n-Butane)	159 - 3185	ND	
Methanol	51 - 1010	ND	
Pentane	81 - 1617	ND	
Ethanol	85 - 1704	115	
Acetone	86 - 1722	ND	
Isopropyl Alcohol	90 - 1791	ND	
Hexane	5 - 100	ND	
Ethyl Acetate	86 - 1711	ND	
Benzene	0.2 - 3.6	ND	
Heptanes	88 - 1757	ND	
Toluene	16 - 313	ND	
Xylenes (m,p,o-Xylenes)	115 - 2305	ND	

Final Approval


PREPARED BY / DATE
Sam Smith
17Aug2023
03:41:00 PM MDT


APPROVED BY / DATE
Karen Winternheimer
17Aug2023
03:44:00 PM MDT

Prepared for:

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Pesticides


Test ID: T000253091

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	202 - 2627	ND		Malathion	282 - 2763	ND
Acephate	44 - 2777	ND		Metalaxyl	44 - 2750	ND
Acetamiprid	41 - 2668	ND		Methiocarb	45 - 2694	ND
Azoxystrobin	45 - 2726	ND		Methomyl	41 - 2701	ND
Bifenazate	43 - 2720	ND		MGK 264 1	174 - 1643	ND
Boscalid	44 - 2702	ND		MGK 264 2	105 - 1078	ND
Carbaryl	39 - 2721	ND		Myclobutanil	54 - 2664	ND
Carbofuran	42 - 2717	ND		Naled	45 - 2741	ND
Chlorantraniliprole	43 - 2673	ND		Oxamyl	43 - 2702	ND
Chlorpyrifos	47 - 2827	ND		Paclobutrazol	45 - 2714	ND
Clofentezine	276 - 2738	ND		Permethrin	285 - 2790	ND
Diazinon	286 - 2754	ND		Phosmet	40 - 2734	ND
Dichlorvos	273 - 2719	ND		Prophos	294 - 2642	ND
Dimethoate	42 - 2677	ND		Propoxur	41 - 2700	ND
E-Fenpyroximate	293 - 2807	ND		Pyridaben	296 - 2749	ND
Etofenprox	42 - 2713	ND		Spinosad A	32 - 2098	ND
Etoxazole	292 - 2764	ND		Spinosad D	63 - 686	ND
Fenoxycarb	41 - 2710	ND		Spiromesifen	278 - 2783	ND
Fipronil	75 - 2626	ND		Spirotetramat	283 - 2754	ND
Flonicamid	48 - 2664	ND		Spiroxamine 1	17 - 1139	ND
Fludioxonil	307 - 2676	ND		Spiroxamine 2	21 - 1531	ND
Hexythiazox	40 - 2769	ND		Tebuconazole	289 - 2738	ND
Imazalil	271 - 2791	ND		Thiacloprid	44 - 2650	ND
Imidacloprid	51 - 2714	ND		Thiamethoxam	43 - 2706	ND
Kresoxim-methyl	47 - 2741	ND		Trifloxystrobin	44 - 2695	ND

Final Approval

 Karen Winternheimer
18Aug2023
11:06:00 AM MDT
PREPARED BY / DATE

 Sam Smith
18Aug2023
11:10:00 AM MDT
APPROVED BY / DATE

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Cannabinoids


Test ID: T000253089

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	2.309	5.466	23.920	0.90	# of Servings = 1, Sample Weight=28g
Cannabichromenic Acid (CBCA)	2.112	4.999	ND	ND	
Cannabidiol (CBD)	6.327	14.351	1075.300	38.40	
Cannabidiolic Acid (CBDA)	6.489	14.719	ND	ND	
Cannabidivarin (CBDV)	1.496	3.394	3.730	0.10	
Cannabidivarinic Acid (CBDVA)	2.707	6.140	ND	ND	
Cannabigerol (CBG)	1.311	3.103	28.010	1.00	
Cannabigerolic Acid (CBGA)	5.481	12.973	ND	ND	
Cannabinol (CBN)	1.711	4.048	ND	ND	
Cannabinolic Acid (CBNA)	3.740	8.851	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	6.530	15.455	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	5.931	14.036	45.270	1.60	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	5.254	12.436	ND	ND	
Tetrahydrocannabivarin (THCV)	1.193	2.823	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	4.635	10.969	ND	ND	
Total Cannabinoids			1176.230	42.00	
Total Potential THC			45.270	1.60	
Total Potential CBD			1075.300	38.40	

Final Approval


Karen Winternheimer
19Aug2023
10:47:00 AM MDT
PREPARED BY / DATE


Sam Smith
19Aug2023
10:48:00 AM MDT
APPROVED BY / DATE

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Mycotoxins


Test ID: T000253095

Methods: TM18 (UHPLC-QQQ)


LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.85 - 126.96	ND	N/A
Aflatoxin B1	0.90 - 33.26	ND	
Aflatoxin B2	0.96 - 33.46	ND	
Aflatoxin G1	0.96 - 33.07	ND	
Aflatoxin G2	1.09 - 33.30	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

 Sam Smith
21Aug2023
07:54:00 AM MDT

PREPARED BY / DATE

 Karen Winternheimer
21Aug2023
07:57:00 AM MDT

APPROVED BY / DATE


Heavy Metals

Test ID: T000253093


Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.26	ND	
Cadmium	0.05 - 5.22	ND	
Mercury	0.04 - 4.45	ND	
Lead	0.05 - 5.12	ND	

Final Approval

 Sam Smith
21Aug2023
01:53:00 PM MDT

PREPARED BY / DATE

 Karen Winternheimer
21Aug2023
05:11:00 PM MDT

APPROVED BY / DATE

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Microbial Contaminants

Test ID: T000253092

Methods: TM25 (PCR) TM24, TM26, TM27 (Culture Plating)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval


Eden Thompson-Wright
19Aug2023
12:56:00 PM MDT
PREPARED BY / DATE


Brianne Maillot
21Aug2023
11:00:00 AM MDT
APPROVED BY / DATE

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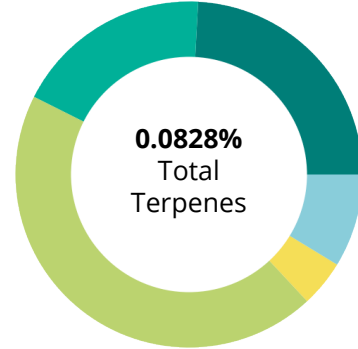
Batch ID or Lot Number: 0365679	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 6 of 7
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Terpenes

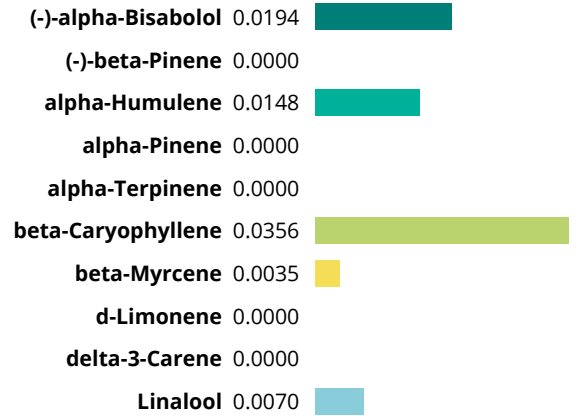
Test ID: T000253090

Methods: TM22 (GC-MS)

	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0194	0.194
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0000	0.0000
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0148	0.148
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.0356	0.356
beta-Myrcene	0.0035	0.035
beta-Ocimene	0.0000	0.0000
Camphene	0.0000	0.0000
cis-Nerolidol	0.0000	0.0000
d-Limonene	0.0000	0.0000
delta-3-Carene	0.0000	0.0000
Eucalyptol	0.0000	0.0000
gamma-Terpinene	0.0000	0.0000
Geraniol	0.0000	0.0000
Linalool	0.0070	0.070
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0025	0.025
	0.0828	0.8280




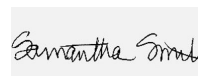
PREDOMINANT TERPENES



Notes

Final Approval


Karen Winternheimer
22Aug2023
10:02:00 AM MDT
PREPARED BY / DATE


Sam Smith
22Aug2023
10:04:00 AM MDT
APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/4cbb7f48-2334-4d1d-8522-907019d4afc8>

Definitions

LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa \times (0.877)) and Total CBD = CBD + (CBDa \times (0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa \times (0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



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