

Prepared for:

Casper's Oil

6705 Hwy 290 West PMB 50220
Austin, TX USA 78735

Casper's Oil USDA Organic Full Spectrum 400

Batch ID or Lot Number: 0145458	Test, Test ID and Methods: Various	Matrix: General/Other	Page 1 of 7
Reported: 19Dec2022	Started: 16Dec2022	Received: 15Dec2022	

Microbial Contaminants


Test ID: T000230956

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


Brianne Maillot
19Dec2022
03:12:00 PM MST


Brett Hudson
19Dec2022
04:52:00 PM MST

PREPARED BY / DATE

APPROVED BY / DATE


Heavy Metals


Test ID: T000230957

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.22	ND	
Cadmium	0.05 - 4.63	ND	
Mercury	0.04 - 4.44	ND	
Lead	0.05 - 4.50	ND	

Final Approval


Samantha Smith
20Dec2022
08:06:00 AM MST


Karen Winternheimer
20Dec2022
08:07:00 AM MST

PREPARED BY / DATE

APPROVED BY / DATE

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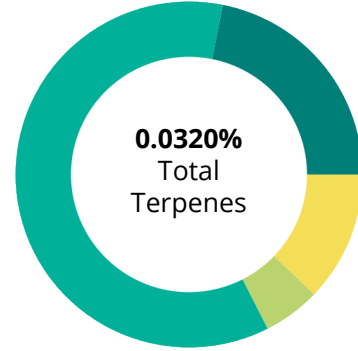
Batch ID or Lot Number: 0145458	Test, Test ID and Methods: Various	Matrix: General/Other	Page 2 of 7
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Terpenes

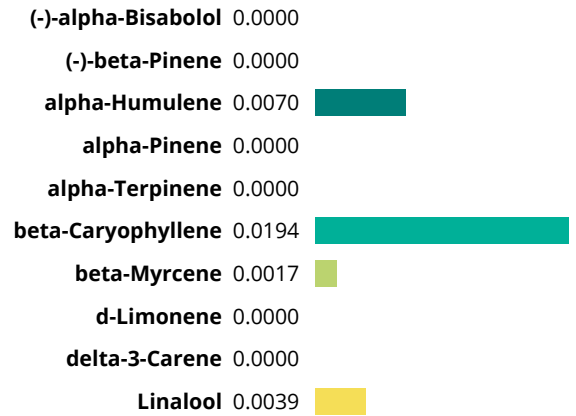
Test ID: T000230954

Methods: TM22 (GC-MS)

	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0000	0.0000
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0000	0.0000
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0070	0.070
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.0194	0.194
beta-Myrcene	0.0017	0.017
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	0.0039	0.039
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0000	0.0000
	0.0320	0.3200





PREDOMINANT TERPENES



Notes

Final Approval


Samantha Smith
20Dec2022
12:38:00 PM MST
PREPARED BY / DATE


Karen Winternheimer
20Dec2022
12:41:00 PM MST
APPROVED BY / DATE

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Residual Solvents

Test ID: T000230958


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	83 - 1654	ND	
Butanes (Isobutane, n-Butane)	156 - 3129	ND	
Methanol	56 - 1126	ND	
Pentane	79 - 1579	ND	
Ethanol	92 - 1840	ND	
Acetone	85 - 1691	ND	
Isopropyl Alcohol	103 - 2055	ND	
Hexane	5 - 95	ND	
Ethyl Acetate	90 - 1809	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	89 - 1780	ND	
Toluene	17 - 348	ND	
Xylenes (m,p,o-Xylenes)	131 - 2615	ND	

Final Approval


PREPARED BY / DATE

Sam Smith
20Dec2022
02:36:00 PM MST


APPROVED BY / DATE

Karen Winternheimer
20Dec2022
02:38:00 PM MST

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Cannabinoids


Test ID: T000230953

Methods: TM14 (HPLC-DAD)

	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.005	0.017	0.060	0.60	
Cannabichromenic Acid (CBCA)	0.005	0.016	ND	ND	
Cannabidiol (CBD)	0.014	0.046	1.470	14.70	
Cannabidiolic Acid (CBDA)	0.015	0.047	ND	ND	
Cannabidivarin (CBDV)	0.003	0.011	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.006	0.020	ND	ND	
Cannabigerol (CBG)	0.003	0.010	0.040	0.40	
Cannabigerolic Acid (CBGA)	0.012	0.040	ND	ND	
Cannabinol (CBN)	0.004	0.013	ND	ND	
Cannabinolic Acid (CBNA)	0.008	0.028	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.014	0.048	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.013	0.044	0.060	0.60	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.011	0.039	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.009	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.010	0.034	ND	ND	
Total Cannabinoids			1.630	16.30	
Total Potential THC			0.060	0.60	
Total Potential CBD			1.470	14.70	

Final Approval


 Karen Winternheimer
 21Dec2022
 11:17:00 AM MST
 PREPARED BY / DATE


 Sam Smith
 21Dec2022
 11:19:00 AM MST
 APPROVED BY / DATE

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Reported: 19Dec2022	Started: 16Dec2022	Received: 15Dec2022	

Mycotoxins

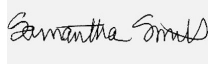
Test ID: T000230959


Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.98 - 119.00	ND	N/A
Aflatoxin B1	0.89 - 29.69	ND	
Aflatoxin B2	0.89 - 29.43	ND	
Aflatoxin G1	1.07 - 29.74	ND	
Aflatoxin G2	0.78 - 29.22	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


 Sam Smith
 22Dec2022
 08:42:00 AM MST
 PREPARED BY / DATE


 Karen Winternheimer
 22Dec2022
 08:44:00 AM MST
 APPROVED BY / DATE

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Casper's Oil

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Pesticides


Test ID: T000230955


Methods: TM17

(LC-QQ LC MS/MS)

	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)
Abamectin	292 - 2645	ND	Malathion	281 - 2712	ND
Acephate	1 - 2759	ND	Metalaxyl	38 - 2730	ND
Acetamiprid	41 - 2737	ND	Methiocarb	42 - 2746	ND
Azoxystrobin	42 - 2721	ND	Methomyl	43 - 2756	ND
Bifenazate	43 - 2711	ND	MGK 264 1	190 - 1588	ND
Boscalid	45 - 2703	ND	MGK 264 2	122 - 1133	ND
Carbaryl	43 - 2731	ND	Myclobutanil	51 - 2724	ND
Carbofuran	41 - 2721	ND	Naled	58 - 2745	ND
Chlorantraniliprole	44 - 2788	ND	Oxamyl	40 - 2728	ND
Chlorpyrifos	39 - 2722	ND	Paclobutrazol	40 - 2725	ND
Clofentezine	266 - 2713	ND	Permethrin	305 - 2650	ND
Diazinon	282 - 2714	ND	Phosmet	40 - 2697	ND
Dichlorvos	262 - 2765	ND	Prophos	281 - 2758	ND
Dimethoate	37 - 2726	ND	Propoxur	38 - 2705	ND
E-Fenpyroximate	281 - 2736	ND	Pyridaben	286 - 2700	ND
Etofenprox	42 - 2709	ND	Spinosad A	33 - 2235	ND
Etoazole	302 - 2710	ND	Spinosad D	48 - 495	ND
Fenoxycarb	44 - 2739	ND	Spiromesifen	275 - 2731	ND
Fipronil	44 - 2757	ND	Spirotetramat	285 - 2732	ND
Flonicamid	55 - 2649	ND	Spiroxamine 1	18 - 1177	ND
Fludioxonil	281 - 2733	ND	Spiroxamine 2	22 - 1559	ND
Hexythiazox	42 - 2752	ND	Tebuconazole	287 - 2758	ND
Imazalil	268 - 2735	ND	Thiacloprid	43 - 2722	ND
Imidacloprid	42 - 2704	ND	Thiamethoxam	46 - 2760	ND
Kresoxim-methyl	43 - 2761	ND	Trifloxystrobin	41 - 2732	ND

Final Approval


Karen Winternheimer
24Dec2022
05:41:00 PM MST
PREPARED BY / DATE


Sam Smith
24Dec2022
05:43:00 PM MST
APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/4eb2f848-b951-4273-b764-bd5b0a000c82>

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 *(0.877)) and Total CBD = CBD + (CBDa *(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 *(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: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 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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