

Prepared for:

Coseva

428 E Winchester Street Suite 235
Salt Lake City, Utah USA 84107

Advanced CBD (Original)

Batch ID or Lot Number: CAK52323-1	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 6
Reported: 26May2023	Started: 25May2023	Received: 25May2023	

Heavy Metals

Test ID: T000244929

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.73	ND	
Cadmium	0.05 - 4.58	ND	
Mercury	0.05 - 4.60	ND	
Lead	0.04 - 4.38	ND	

Final Approval


Rachel Morris
26May2023
12:35:00 PM MDT

PREPARED BY / DATE


Sam Smith
26May2023
12:37:00 PM MDT

APPROVED BY / DATE

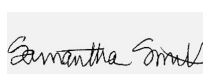
Cannabinoids

Test ID: T000244926


Methods: TM14 (HPLC-DAD)

	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.011	0.035	ND	ND	
Cannabichromenic Acid (CBCA)	0.010	0.032	ND	ND	
Cannabidiol (CBD)	0.028	0.087	2.100	21.00	
Cannabidiolic Acid (CBDA)	0.029	0.090	ND	ND	
Cannabidivarin (CBDV)	0.007	0.021	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.012	0.037	ND	ND	
Cannabigerol (CBG)	0.006	0.020	0.020	0.20	
Cannabigerolic Acid (CBGA)	0.026	0.084	ND	ND	
Cannabinol (CBN)	0.008	0.026	ND	ND	
Cannabinolic Acid (CBNA)	0.018	0.057	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.031	0.100	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.028	0.091	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.025	0.081	ND	ND	
Tetrahydrocannabivarin (THCV)	0.006	0.018	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.022	0.071	ND	ND	
Total Cannabinoids			2.120	21.20	
Total Potential THC			ND	ND	
Total Potential CBD			2.100	21.00	

Final Approval


Sam Smith
30May2023
02:33:00 PM MDT

PREPARED BY / DATE


Karen Winternheimer
30May2023
02:35:00 PM MDT

APPROVED BY / DATE

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Residual Solvents


Test ID: T000244930

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	79 - 1576	ND	
Butanes (Isobutane, n-Butane)	162 - 3232	ND	
Methanol	48 - 958	ND	
Pentane	81 - 1613	ND	
Ethanol	83 - 1653	ND	
Acetone	79 - 1579	ND	
Isopropyl Alcohol	81 - 1621	ND	
Hexane	5 - 95	ND	
Ethyl Acetate	79 - 1588	ND	
Benzene	0.2 - 3.2	ND	
Heptanes	81 - 1618	ND	
Toluene	14 - 286	ND	
Xylenes (m,p,o-Xylenes)	105 - 2103	ND	

Final Approval


Rachel Morris
30May2023
05:02:00 PM MDT
PREPARED BY / DATE


Sam Smith
30May2023
05:02:00 PM MDT
APPROVED BY / DATE

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Mycotoxins


Test ID: T000244931

Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	4.21 - 135.95	ND	N/A
Aflatoxin B1	0.93 - 34.63	ND	
Aflatoxin B2	0.83 - 34.73	ND	
Aflatoxin G1	0.89 - 34.73	ND	
Aflatoxin G2	0.89 - 35.23	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

 Sam Smith
31May2023
01:51:00 PM MDT

PREPARED BY / DATE

 Karen Winternheimer
31May2023
01:53:00 PM MDT

APPROVED BY / DATE


Microbial Contaminants

Test ID: T000244928


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
Salmonella	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

 Brett Hudson
28May2023
11:02:00 AM MDT

PREPARED BY / DATE

 Eden Thompson-Wright
31May2023
11:06:00 AM MDT

APPROVED BY / DATE

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Pesticides


Test ID: T000244927

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	259 - 2844	ND		Malathion	290 - 2732	ND
Acephate	42 - 2785	ND		Metalaxyl	44 - 2731	ND
Acetamiprid	42 - 2735	ND		Methiocarb	43 - 2750	ND
Azoxystrobin	46 - 2696	ND		Methomyl	42 - 2794	ND
Bifenazate	41 - 2719	ND		MGK 264 1	180 - 1681	ND
Boscalid	52 - 2649	ND		MGK 264 2	114 - 1072	ND
Carbaryl	41 - 2726	ND		Myclobutanil	41 - 2740	ND
Carbofuran	43 - 2710	ND		Naled	49 - 2751	ND
Chlorantraniliprole	41 - 2771	ND		Oxamyl	43 - 2776	ND
Chlorpyrifos	51 - 2721	ND		Paclobutrazol	45 - 2738	ND
Clofentezine	291 - 2751	ND		Permethrin	262 - 2719	ND
Diazinon	284 - 2724	ND		Phosmet	39 - 2688	ND
Dichlorvos	285 - 2789	ND		Prophos	281 - 2732	ND
Dimethoate	44 - 2745	ND		Propoxur	41 - 2716	ND
E-Fenpyroximate	282 - 2714	ND		Pyridaben	289 - 2686	ND
Etofenprox	42 - 2693	ND		Spinosad A	34 - 2079	ND
Etoxazole	290 - 2686	ND		Spinosad D	63 - 656	ND
Fenoxycarb	13 - 2766	ND		Spiromesifen	265 - 2700	ND
Fipronil	28 - 2735	ND		Spirotetramat	274 - 2738	ND
Flonicamid	50 - 2822	ND		Spiroxamine 1	19 - 1212	ND
Fludioxonil	296 - 2655	ND		Spiroxamine 2	22 - 1523	ND
Hexythiazox	39 - 2714	ND		Tebuconazole	293 - 2735	ND
Imazalil	301 - 2741	ND		Thiacloprid	42 - 2724	ND
Imidacloprid	42 - 2778	ND		Thiamethoxam	40 - 2772	ND
Kresoxim-methyl	52 - 2733	ND		Trifloxystrobin	43 - 2707	ND

Final Approval


 Sam Smith
 05Jun2023
 11:12:00 AM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 05Jun2023
 11:20:00 AM MDT
 APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/6b733a2d-b088-4d26-9a2f-c91d4dc519b1>

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](#).



Cert #4329.02
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