

Certificate of Analysis

Final Product: Cannabidiol Isolate
Lot Number: L2205I009
Date of Manufacture: May 2022 Expiration: May 2024



To view the certificate of analysis for this product,
scan the QR code or visit coa.milehighlabs.com
and enter the lot number.



AT A GLANCE	Organolpetics Passed	Potency Passed	Residual Solvents Passed	Elemental Impurities Passed	Mycotoxins Passed	Microbials Passed	Pesticides Passed
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Test	Methodology	Specification	Test Results	Pass/Fail
Color and Appearance	Contract Lab ¹	White, crystalline powder free of particulates	CONFORMS	PASS
CBD Potency (% w/w)*	(% w/w) Contract Lab ¹	≥ 98%	101%	PASS
THC Content (% w/w)*	THC(% w/w) Contract Lab ¹	≤ 0.05%	0.03%	PASS
	THCA(% w/w) Contract Lab ¹	≤ 0.05	ND	PASS
	Total (THC + THCA* 0.877)(% w/w) Contract Lab ¹	≤ 0.05	0.03%	PASS
Related Cannabinoid Content (w/w)*	CBN(% w/w) Contract Lab ¹	≤ 0.05	< LOQ ³	PASS
	CBNA(% w/w) Contract Lab ¹	≤ 0.05	ND	PASS
	d8-THC(% w/w) Contract Lab ¹	≤ 0.05	ND	PASS
	THCVA(% w/w) Contract Lab ¹	≤ 0.05	ND	PASS
	THCV(% w/w) Contract Lab ¹	≤ 0.05	ND	PASS
	CBC(% w/w) Contract Lab ¹	Report	0.03%	PASS
	CBDA(% w/w) Contract Lab ¹	Report	ND	PASS
	CBDVA(% w/w) Contract Lab ¹	Report	ND	PASS
	CBDV(% w/w) Contract Lab ¹	Report	0.59%	PASS
	CBGA(% w/w) Contract Lab ¹	Report	ND	PASS
	CBG(% w/w) Contract Lab ¹	Report	< LOQ ³	PASS
	CBL(% w/w) Contract Lab ¹	Report	ND	PASS
	CBCA(% w/w) Contract Lab ¹	Report	ND	PASS
	Total (Sum of all observed RCs known and unknown)(% w/w) Contract Lab ¹	Report	0.61%	PASS
Total Cannabinoids (CBD plus total RCs)(%w/w)	(% w/w) Contract Lab ¹	Report	102%	PASS
Residual Solvents	Acetone Contract Lab ¹	< 1,000 ppm	< 200 ppm	PASS
	Benzene Contract Lab ¹	< 2 ppm	< 1 ppm	PASS
	Butanes Contract Lab ¹	< 1,000 ppm	< 500 ppm	PASS
	Ethanol Contract Lab ¹	< 1000 ppm	< 1,000 ppm	PASS
	Ethyl Acetate Contract Lab ¹	< 1,000 ppm	< 500 ppm	PASS
	Heptanes Contract Lab ¹	< 1,000 ppm	< 50 ppm	PASS
	Hexane Contract Lab ¹	< 60 ppm	< 30 ppm	PASS
	Isopropyl Alcohol Contract Lab ¹	< 1,000 ppm	< 500 ppm	PASS
	Methanol Contract Lab ¹	< 600 ppm	< 500 ppm	PASS
	Pentane Contract Lab ¹	< 1,000 ppm	130 ppm	PASS
	Propane Contract Lab ¹	< 1,000 ppm	< 1,000 ppm	PASS
	Toluene Contract Lab ¹	< 180 ppm	< 90 ppm	PASS
	Total Xylenes (m, p, o-xylenes) Contract Lab ¹	< 430 ppm	< 160 ppm	PASS

Specification: FP-001 v.13.0

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Test	Methodology	Specification	Test Results	Pass/Fail
Elemental Impurities	Arsenic (ppm)	ICP-MS ¹	< 1.0 ppm	PASS
	Cadmium (ppm)	ICP-MS ¹	< 0.4 ppm	PASS
	Lead (ppm)	ICP-MS ¹	< 0.5 ppm	PASS
	Mercury (Total) (ppm)	IICP-MS ¹	< 0.2 ppm	PASS
Mycotoxins	B ¹ (AFB ¹)	USP <561> ¹	< 2 ppm	PASS
	B ² (AFB ²)	USP <561> ¹	< 0.5 ppb	PASS
	G ¹ (AFG ¹)	USP <561> ¹	< 0.5 ppb	PASS
	G ² (AFG ²)	USP <561> ¹	< 0.5 ppb	PASS
	Ochratoxin A	USP <561> ¹	< 1.0 ppb	PASS
	Total	USP <561> ¹	< 4 ppb	PASS
Microbials	Salmonella spp.	USP <2021> ¹	Absent in 25 g	PASS
	E. coli (STEC) - Bacteria	USP <2021> ¹	Absent in 25 g	PASS
	Total coliforms	AOAC 989.10; AOAC 986.33; AOAC991.14 ¹	< 100 cfu/g	PASS
	Total aerobic late count	USP <2021> ¹	< 10,000 cfu/g	PASS
	Total yeast and mold	USP <2021> ¹	< 1,000 cfu/g	PASS
Pesticides	Individual Pesticide Content (ppm)	Contract Lab ²	Individual Pesticide Limit ³	CONFORMS

*Number of replicates: 18

¹Contract Testing performed by Eurofins BioDiagnostics.

²Contract Testing performed by ACS. Refer to tables below for individual pesticides and associated limits.

³Less than LOQ of 0.0250% per Official Methods of Analysis AOAC 2018.11

ACS Residual Pesticide Limits

Abamectin	<0.25	Cypermethrin	<0.30	Fipronil	<0.01	Permethrin	<0.50	Tetramethrin	<0.10
Acephate	<0.05	Cyprodinil	<0.01	Flonicamid	<0.025	Phenothrin	<0.05	Thiabendazole	<0.02
Acequinocyl	<0.03	Daminozide	<0.10	Fludioxonil	<0.01	Phosmet	<0.02	Thiacloprid	<0.01
Acetamiprid	<0.05	Deltamethrin	<0.50	Fluopyram	<0.01	Piperonyl Butoxide	<1.25	Thiamethoxam	<0.01
Aldicarb	<0.50	Diazinon	<0.02	Hexythiazox	<0.0	Pirimicarb	<0.01	Thiophanate-methyl	<0.05
Allethrin	<0.10	Dichlorvos	<0.05	Imazalil	<0.01	Prallethrin	<0.05	Trifloxystrobin	<0.01
Atrazine	<0.025	Dimethoate	<0.01	Imidacloprid	<0.01	Propiconazole	<0.01		
Azadirachtin	<0.50	Dimethomorph	<0.05	Iprodione	<0.50	Propoxur	<0.01		
Azoxystrobin	<0.01	Dinotefuran	<0.05	Kinoprene	<1.25	Pyrethrin	<0.01		
Benzovindiflupyr	<0.01	Diuron	<0.125	Kresoxim-methyl	<0.15	Pyrethrins	<0.05		
Bifenazate	<0.01	Dodemorph	<0.05	Lambda, Cyhalothrin	<0.25	Pyridaben	<0.02		
Bifenthrin	<1.00	Endosulfan sulfate	<2.5	Malathion	<0.01	Pyriproxyfen	<0.01		
Boscalid	<0.01	Endosulfan-alpha	<2.5	Metaxyl	<0.01	Quintozene	<0.02		
Buprofezin	<0.02	Endosulfan-beta	<2.5	Methiocarb	<0.01	Resmethrin	<0.05		
Carbaryl	<0.025	Ethoprophos	<0.01	Methomyl	<0.025	Spinetoram	<0.01		
Carbofuran	<0.01	Etofenprox	<0.05	Methoprene	<2.00	Spinosad	<0.01		
Chlorantraniliprole	<0.02	Etioazole	<0.05	Mevinphos	<0.025	Spiriclofen	<0.25		
Chlorphenapyr	<1.5	Etridiazole	<0.15	MGK-264	<0.05	Spiromesifen	<3.0		
Chlorpyrifos	<0.50	Fenhexamid	<0.125	Myclobutanil	<0.01	Spirotetramat	<0.01		
Clofentezine	<0.01	Fenoxycarb	<0.01	Naled	<0.10	Spiroxamine	<0.10		
Clothianidin	<0.025	Fenpyroximate	<0.02	Novaluron	<0.025	Tebuconazole	<0.01		
Coumaphos	<0.01	Fensulfthion	<0.01	Oxamyl	<1.5	Tebufenozide	<0.01		
Cyantraniliprole	<0.01	Fenthion	<0.01	Paclobutrazol	<0.01	Teflubenzuron	<0.025		
Cyfluthrin	<0.20	Fenvalerate	<0.10	Parathion-methyl	<0.05	Tetrachlorvinphos	<0.01		

Specification: FP-001 v.13.0

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