

Certificate of Analysis

Final Product: Cannabidiol Isolate
Lot Number: L2409I036
Date of Manufacture: September 2024 Expiration: September 2026



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
Test	Methodology		Specification		Test Results		Pass/Fail	
Color and Appearance	TM-004 ¹ / Contract Lab ²		White, crystalline powder free of particulates		Conforms		PASS	
CBD Potency (% w/w)	(% w/w)	Contract Lab ²	≥ 98.0%		98.8%		PASS	
THC Content (% w/w)	THC(% w/w)	Contract Lab ²	≤ 0.050%		ND		PASS	
	THCA(% w/w)	Contract Lab ²	≤ 0.050%		ND		PASS	
	Total (THC + THCA* 0.877)(% w/w)	Contract Lab ²	≤ 0.050%		ND		PASS	
Related Cannabinoid Content (w/w)	CBN(% w/w)	Contract Lab ²	≤ 0.050%		ND		PASS	
	d8-THC(% w/w)	Contract Lab ²	≤ 0.050%		ND		PASS	
	THCVA(% w/w)	Contract Lab ²	≤ 0.050%		ND		PASS	
	THCV(% w/w)	Contract Lab ²	≤ 0.050%		ND		PASS	
	CBC(% w/w)	Contract Lab ²	Report		ND		PASS	
	CBDA(% w/w)	Contract Lab ²	Report		ND		PASS	
	CBDVA(% w/w)	Contract Lab ²	Report		ND		PASS	
	CBDV(% w/w)	Contract Lab ²	Report		0.31%		PASS	
	CBGA(% w/w)	Contract Lab ²	Report		ND		PASS	
	CBG(% w/w)	Contract Lab ²	Report		ND		PASS	
	CBL(% w/w)	Contract Lab ²	Report		ND		PASS	
	CBCA(% w/w)	Contract Lab ²	Report		ND		PASS	
	Total (Sum of all observed RCs) (% w/w)	Calculated ³	Report		0.31%		PASS	
Total Cannabinoids (CBD plus total RCs)(%w/w)	(% w/w)	Calculated ³	Report		99.1%		PASS	
Residual Solvents	Acetone	Contract Lab ²	< 1000 ppm		ND		PASS	
	Benzene	Contract Lab ²	< 2 ppm		ND		PASS	
	Butanes	Contract Lab ²	< 1,000 ppm		ND		PASS	
	Ethanol	Contract Lab ²	< 1000 ppm		ND		PASS	
	Ethyl Acetate	Contract Lab ²	< 1,000 ppm		ND		PASS	
	Heptanes	Contract Lab ²	< 1,000 ppm		302 ppm		PASS	
	Hexane	Contract Lab ²	< 60 ppm		ND		PASS	
	Isopropyl Alcohol	Contract Lab ²	< 1,000 ppm		ND		PASS	
	Methanol	Contract Lab ²	< 600 ppm		ND		PASS	
	Pentane	Contract Lab ²	< 1000 ppm		ND		PASS	
	Propane	Contract Lab ²	< 1000 ppm		ND		PASS	
	Toluene	Contract Lab ²	< 180 ppm		ND		PASS	
	Total Xylenes (m, p, o-xylenes)	Contract Lab ²	< 430 ppm		ND		PASS	

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Test		Methodology	Specification	Test Results	Pass/Fail
Elemental Impurities	Arsenic	Contract Lab ²	< 1.0 ppm	ND	PASS
	Cadmium	Contract Lab ²	< 0.4 ppm	ND	PASS
	Lead	Contract Lab ²	< 0.5 ppm	ND	PASS
	Mercury	Contract Lab ²	< 0.2 ppm	ND	PASS
Mycotoxins	B ₁ (AFB ₁)	Contract Lab ²	< 2 ppb	ND	PASS
	B ₂ (AFB ₂)	Contract Lab ²	< 0.5 ppb	ND	PASS
	G ₁ (AFG ₁)	Contract Lab ²	< 0.5 ppb	ND	PASS
	G ₂ (AFG ₂)	Contract Lab ²	< 0.5 ppb	ND	PASS
	Ochratoxin A	Contract Lab ²	< 1.0 ppb	ND	PASS
	Total (B ₁ +B ₂ +G ₁ +G ₂)	Contract Lab ²	< 4 ppb	ND	PASS
Microbials	Salmonella spp.	Contract Lab ²	Absent in 25 g	Absent / 25g	PASS
	Shiga-toxin Producing E. Coli	Contract Lab ²	Absent in 25 g	Absent / 25g	PASS
	Total coliforms	Contract Lab ²	< 100 cfu/g	< 10 cfu/g	PASS
	Total aerobic plate count	Contract Lab ²	< 10,000 cfu/g	< 100 cfu/g	PASS
	Total yeast and mold	Contract Lab ²	< 1,000 cfu/g	< 10 cfu/g	PASS
Pesticides	Individual Pesticide Content	Contract Lab ²	Individual Pesticide Limit ⁴	Conforms	PASS

¹MHL in-house method.
²All contract lab testing is performed by labs that are ISO 17025 and CDPHE certified.
³Calculations performed by MHL Quality.
⁴Refer to tables below for individual pesticides and associated limits. All limits listed as "Report" are required to be below the LOQ of the contract lab for that analyte.

Residual Pesticide Limits (ppm)									
Abamectin	< 0.25	Cypermethrin	Report	Fipronil	< 0.01	Permethrin	Report	Tetramethrin	Report
Acephate	< 0.05	Cyprodinil	< 0.01	Flonicamid	< 0.025	Phenothrin	Report	Thiabendazole	Report
Acequinocyl	Report	Daminozide	Report	Fludioxonil	< 0.01	Phosmet	Report	Thiacloprid	< 0.01
Acetamiprid	< 0.05	Deltamethrin	Report	Fluopyram	< 0.01	Piperonyl Butoxide	< 1.25	Thiamethoxam	< 0.01
Aldicarb	< 0.5	Diazinon	Report	Hexythiazox	Report	Pirimicarb	< 0.01	Thiophanate-methyl	Report
Allethrin	< 0.1	Dichlorvos	< 0.05	Imazalil	< 0.01	Prallethrin	Report	Trifloxystrobin	< 0.01
Atrazine	Report	Dimethoate	< 0.01	Imidacloprid	< 0.01	Propiconazole	Report		
Azadirachtin	< 0.5	Dimethomorph	Report	Iprodione	< 0.50	Propoxur	< 0.01		
Azoxystrobin	< 0.01	Dinotefuran	< 0.05	Kinoprene	< 1.25	Pyrethrin	< 0.01		
Benzovindiflupyr	< 0.01	Diuron	Report	Kresoxim-methyl	< 0.15	Pyrethrins	Report		
Bifenazate	< 0.01	Dodemorph	Report	(Lambda) Cyhalothrin	Report	Pyridaben	< 0.02		
Bifenthrin	Report	Endosulfan sulfate	< 2.5	Malathion	< 0.01	Pyriproxyfen	Report		
Boscalid	< 0.01	Endosulfan-alpha	< 2.5	Metaxyl	< 0.01	Quintozene	Report		
Buprofezin	Report	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	Report	Methoprene	Report	Spinosad	< 0.01		
Chlorantraniliprole	Report	Etoazoxole	Report	Mevinphos	< 0.025	Spiriclofen	Report		
Chlorphenapyr	< 1.5	Etridiazole	< 0.15	MGK-264	Report	Spiromesifen	Report		
Chlorpyrifos	< 0.5	Fenhexamid	Report	Myclobutanil	< 0.01	Spirotetramat	< 0.01		
Clofentezine	< 0.01	Fenoxycarb	< 0.01	Naled	Report	Spiroxamine	Report		
Clothianidin	< 0.025	Fenpyroximate	Report	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	Report	Fenvalerate	Report	Parathion-methyl	Report	Tetrachlorvinphos	< 0.01		

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