

# Certificate of Analysis

Final Product: Cannabidiol Isolate 2.0

Lot Number: L2302I014

Date of Manufacture: Feb.2023 Expiration: Feb.2025



MILE HIGH LABS

To view the certificate of analysis for this product, scan the QR code or visit [coa.milehighlabs.com](http://coa.milehighlabs.com) and enter the lot number.



AT A GLANCE		Organoleptics <span>Pass</span>	Potency <span>Pass</span>	Residual Solvents <span>Pass</span>	Elemental Impurities <span>Pass</span>	Mycotoxins <span>Pass</span>	Microbials <span>Pass</span>	Pesticides <span>Pass</span>
Test	Methodology	Specification	Test Results	Pass/Fail				
Color and Appearance	TM-004 <sup>1</sup> / Contract Lab <sup>2</sup>	White, crystalline powder free of particulates	Conforms	Pass				
CBD Potency	Contract Lab <sup>2</sup>	≥ 98 % w/w	101%	Pass				
Psychoactive Cannabinoids Content	d9-THC (Δ9-Tetrahydrocannabinol)	Contract Lab <sup>2</sup>	< 1 mg/kg	Pass				
	d8-THC (Δ8-Tetrahydrocannabinol)	Contract Lab <sup>2</sup>	< 1 mg/kg	Pass				
	CBN (Cannabinol)	Contract Lab <sup>2</sup>	< 1 mg/kg	Pass				
	THCV (Tetrahydrocannabivarin)	Contract Lab <sup>2</sup>	< 1 mg/kg	Pass				
Related Cannabinoid Content	CBC (Cannabichromene)	Contract Lab <sup>2</sup>	Report % w/w	ND	Pass			
	CBDV (Cannabidivarin)	Contract Lab <sup>2</sup>	Report % w/w	0.11%	Pass			
	CBG (Cannabigerol)	Contract Lab <sup>2</sup>	Report % w/w	ND	Pass			
	CBL (Cannabicyclol)	Contract Lab <sup>2</sup>	Report % w/w	ND	Pass			
	Total (Sum of all observed Related Cannabinoids)	Calculated <sup>3</sup>	Report % w/w	0.11%	Pass			
Total Cannabinoids (CBD plus sum of psychoactive cannabinoids plus total RCs)	Calculated <sup>3</sup>	Report % w/w	101%	Pass				
Residual Solvents	Acetone	Contract Lab <sup>2</sup>	< 1,000 ppm	ND	Pass			
	Benzene	Contract Lab <sup>2</sup>	< 2 ppm	ND	Pass			
	Butanes	Contract Lab <sup>2</sup>	< 1,000 ppm	ND	Pass			
	Ethanol	Contract Lab <sup>2</sup>	< 1,000 ppm	ND	Pass			
	Ethyl Acetate	Contract Lab <sup>2</sup>	< 1,000 ppm	ND	Pass			
	Heptane	Contract Lab <sup>2</sup>	< 1,000 ppm	ND	Pass			
	Hexane	Contract Lab <sup>2</sup>	< 60 ppm	ND	Pass			
	Isopropyl Alcohol	Contract Lab <sup>2</sup>	< 1,000 ppm	ND	Pass			
	Methanol	Contract Lab <sup>2</sup>	< 600 ppm	18 ppm	Pass			
	Pentane	Contract Lab <sup>2</sup>	< 1,000 ppm	150 ppm	Pass			
	Propane	Contract Lab <sup>2</sup>	< 1,000 ppm	ND	Pass			
	Toluene	Contract Lab <sup>2</sup>	< 180 ppm	ND	Pass			
	Total Xylenes (m, p, o-xylenes)	Contract Lab <sup>2</sup>	< 430 ppm	ND	Pass			
Pesticides	Individual Pesticide Content (ppm)	Contract Lab <sup>2</sup>	Individual Pesticide Limit <sup>4</sup>	Conforms	Pass			

<sup>1</sup>MHL in-house method.

<sup>2</sup>All contract lab testing is performed by labs that are ISO 17025 and CDPHE certified.

<sup>3</sup>Calculations performed by MHL Quality.

<sup>4</sup>Refer to the table on Page 2 for individual pesticides and associated limits in ppm.

Specification: FX-105 Revision: v2.0

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

ACS Residual Pesticide Limits (ppm)

Abamectin	< 0.25	Cypermethrin	Report	Fipronil	< 0.01	Permethrin	Report	Tetramethrin	Report
Acephate	< 0.05	Cyprodinil	< 0.01	Fonicamid	< 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	Pyraclostrobin	< 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	Ethoprofos	< 0.01	Methomyl	< 0.025	Spinetoram	< 0.01		
Carbofuran	< 0.01	Etofenprox	Report	Methoprene	Report	Spinosad	< 0.01		
Chlorantraniliprole	Report	Etozazole	Report	Mevinphos	< 0.025	Spiridofen	Report		
Chlorphenapyr	< 1.5	Etridiazole	< 0.15	MGK-264	Report	Spiromesifen	Report		
Chlorpyrifos	< 0.5	Fenhexamid	Report	Myclobutanil	< 0.01	Spirotramat	< 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	Fensulfothion	< 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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