

# Certificate of Analysis

Final Product: Cannabidiol Isolate  
 Lot Number: L25121074  
 Date of Manufacture: December 2025 Expiration: December 2027



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<b>AT A GLANCE</b>	Organolpetics <b>PASS</b>	Potency <b>PASS</b>	Residual Solvents <b>PASS</b>	Elemental Impurities <b>PASS</b>	Mycotoxins <b>PASS</b>	Microbials <b>PASS</b>	Pesticides <b>PASS</b>
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Test	Methodology	Specification	Test Results	Pass/Fail
<b>Color and Appearance</b>	TM-004 <sup>1</sup> / Contract Lab <sup>2</sup>	White, crystalline powder free of particulates	Conforms	PASS
<b>CBD Potency (% w/w)</b>	(% w/w) Contract Lab <sup>2</sup>	≥ 98.0%	98.8 %	PASS
<b>THC Content (% w/w)</b>	THC(% w/w) Contract Lab <sup>2</sup>	≤ 0.050%	ND	PASS
	THCA(% w/w) Contract Lab <sup>2</sup>	≤ 0.050%	ND	PASS
	Total (THC + THCA* 0.877)(% w/w) Contract Lab <sup>2</sup>	≤ 0.050%	ND	PASS
<b>Related Cannabinoid Content (w/w)</b>	CBN(% w/w) Contract Lab <sup>2</sup>	≤ 0.050%	< LOQ <sup>5</sup>	PASS
	d8-THC(% w/w) Contract Lab <sup>2</sup>	≤ 0.050%	ND	PASS
	THCVA(% w/w) Contract Lab <sup>2</sup>	≤ 0.050%	ND	PASS
	THCV(% w/w) Contract Lab <sup>2</sup>	≤ 0.050%	ND	PASS
	CBC(% w/w) Contract Lab <sup>2</sup>	Report	ND	PASS
	CBDA(% w/w) Contract Lab <sup>2</sup>	Report	ND	PASS
	CBDVA(% w/w) Contract Lab <sup>2</sup>	Report	ND	PASS
	CBDV(% w/w) Contract Lab <sup>2</sup>	Report	0.410 %	PASS
	CBGA(% w/w) Contract Lab <sup>2</sup>	Report	ND	PASS
	CBG(% w/w) Contract Lab <sup>2</sup>	Report	< LOQ <sup>5</sup>	PASS
	CBL(% w/w) Contract Lab <sup>2</sup>	Report	ND	PASS
	CBCA(% w/w) Contract Lab <sup>2</sup>	Report	ND	PASS
	Total (Sum of all observed RCs) (% w/w) Calculated <sup>3</sup>	Report	0.410 %	PASS
<b>Total Cannabinoids (CBD plus total RCs)(%w/w)</b>	(% w/w) Calculated <sup>3</sup>	Report	99.2 %	PASS
<b>Residual Solvents</b>	Acetone Contract Lab <sup>2</sup>	< 1000 ppm	ND	PASS
	Benzene Contract Lab <sup>2</sup>	< 2 ppm	ND	PASS
	Butanes Contract Lab <sup>2</sup>	< 100 ppm	ND	PASS
	Ethanol Contract Lab <sup>2</sup>	< 5,000 ppm	ND	PASS
	EthylAcetate Contract Lab <sup>2</sup>	< 1,000 ppm	ND	PASS
	Heptanes Contract Lab <sup>2</sup>	< 1,000 ppm	244.93 ppm	PASS
	Hexane Contract Lab <sup>2</sup>	< 10 ppm	ND	PASS
	IsopropylAlcohol Contract Lab <sup>2</sup>	< 1,000 ppm	ND	PASS
	Methanol Contract Lab <sup>2</sup>	< 100 ppm	< LOQ <sup>5</sup>	PASS
	Pentane Contract Lab <sup>2</sup>	< 1,000 ppm	ND	PASS
	Propane Contract Lab <sup>2</sup>	< 100 ppm	ND	PASS
	Toluene Contract Lab <sup>2</sup>	< 20 ppm	ND	PASS
	Total Xylenes (m, p, o-xylenes) Contract Lab <sup>2</sup>	< 40 ppm	ND	PASS

Specification: FP-001 Revision: v18.0

697 N. Denver Ave, Ste. 132 Loveland, CO 80537

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**US Sales**  
[sales@milehighlabs.com](mailto:sales@milehighlabs.com)  
 +1 (833) 223-1011

**UK Sales**  
[sales@milehighlabs.com](mailto:sales@milehighlabs.com)  
 +44 (0) 28 9099 5253

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Test	Methodology	Specification	Test Results	Pass/Fail	
<b>Elemental Impurities</b>	Arsenic	Contract Lab <sup>2</sup>	< 1.5 ppm	ND	PASS
	Cadmium	Contract Lab <sup>2</sup>	< 0.5 ppm	ND	PASS
	Lead	Contract Lab <sup>2</sup>	< 0.5 ppm	ND	PASS
	Mercury	Contract Lab <sup>2</sup>	< 1.5 ppm	ND	PASS
<b>Mycotoxins</b>	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>	< 20 ppb	ND	PASS
<b>Microbials</b>	Salmonella spp.	Contract Lab <sup>2</sup>	Absent in 25 g	Absent / 25g	PASS
	Shiga-toxin Producing E. Coli	Contract Lab <sup>2</sup>	Absent in 25 g	Absent / 25g	PASS
	Total coliforms	Contract Lab <sup>2</sup>	< 100 cfu/g	< 10 CFU/g	PASS
	Total aerobic plate count	Contract Lab <sup>2</sup>	< 10,000 cfu/g	< 100 CFU/g	PASS
	Total yeast and mold	Contract Lab <sup>2</sup>	< 1,000 cfu/g	< 10 CFU/g	PASS
<b>Pesticides</b>	Individual Pesticide Content	Contract Lab <sup>2</sup>	Individual Pesticide Limit <sup>4</sup>	ND	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 tables below for individual pesticides and associated limits.

<sup>5</sup>LOQ is 0.05 % w/w, LOD is 0.015 % w/w

<sup>6</sup>LOD is 2.488 ppm and LOQ is 8.294 ppm.

### ACS Residual Pesticide Limits (ppm)

Abamectin	< 0.25	Cypermethrin	< 0.01	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	< 0.5	Diazinon	< 0.02	Hexythiazox	< 0.01	Pirimicarb	< 0.01	Thiophanate-methyl	< 0.05
Allethrin	< 0.1	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	< 0.5	Dimethomorph	< 0.05	Iprodione	< 0.50	Propoxur	< 0.01		
Azoxystrobin	< 0.01	Dinotefuran	< 0.05	Kinoprene	< 1.25	Pyraclostrobin	< 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	Etoxazole	< 0.15	Mevinphos	< 0.025	Spiridolofen	< 0.25		
Chlorphenapyr	< 1.5	Etridiazole	< 0.15	MGK-264	< 0.05	Spiromesifen	< 3.0		
Chlorpyrifos	< 0.5	Fenhexamid	< 0.01	Myclobutanil	< 0.01	Spirotetramat	< 0.01		
Clofentazine	< 0.01	Fenoxycarb	< 0.01	Naled	< 0.10	Spiroxamine	< 0.10		
Clothianidin	< 0.025	Fenpyroximate	< 0.01	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	< 0.01	Parathion-methyl	< 0.05	Tetrachlorvinphos	< 0.01		

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*Andressa Villalobos*

Quality Associate II

Jan 26, 2026

Quality Manager

Jan 26, 2026

Prepared by

Date

Approved by

Date

**US Sales**  
[sales@milehighlabs.com](mailto:sales@milehighlabs.com)  
 +1 (833) 223-1011

**UK Sales**  
[saleseu@milehighlabs.com](mailto:saleseu@milehighlabs.com)  
 +44 (0) 28 9099 5253

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