

Certificate of Analysis

Final Product: Broad Spectrum CBD Distillate 2.0

Lot Number: L2403B014

Date of Manufacture: March 2024 **Expiration:** March 2026



AT A GLANCE		Organoleptics 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	Yellow to amber, translucent, viscous to semi-solid liquid.	Conforms	PASS				
CBD Potency (%w/w)	Contract Lab ²	80 – 90%	87%	PASS				
THC Content (% w/w)	THC (Δ ⁹ -Tetrahydrocannabinol)	Contract Lab ²	≤ 0.1%	ND	PASS			
	THCA (Δ ⁹ -Tetrahydrocannabinolic Acid)	Contract Lab ²	≤ 0.1%	ND	PASS			
	Total THC (% w/w, THC + THCA * 0.877)	Contract Lab ²	≤ 0.1%	ND	PASS			
Related Cannabinoid Content (% w/w)	CBN (Cannabinol)	Contract Lab ²	≤ 0.1%	< LOQ ⁴	PASS			
	d8-THC (Δ ⁸ -Tetrahydrocannabinol)	Contract Lab ²	≤ 0.1%	ND	PASS			
	THCV (Tetrahydrocannabivarin)	Contract Lab ²	≤ 0.1%	ND	PASS			
	THCVA (Tetrahydrocannabivarinic acid)	Contract Lab ²	≤ 0.1%	ND	PASS			
	CBC (Cannabichromene)	Contract Lab ²	Report % w/w	ND	PASS			
	CBCA (Cannabichromenic acid)	Contract Lab ²	Report % w/w	ND	PASS			
	CBDA (Cannabidiolic acid)	Contract Lab ²	Report % w/w	ND	PASS			
	CBDVA (Cannabidivarinic acid)	Contract Lab ²	Report % w/w	ND	PASS			
	CBDV (Cannabidivarin)	Contract Lab ²	Report % w/w	1.62%	PASS			
	CBGA (Cannabigerolic acid)	Contract Lab ²	Report % w/w	< LOQ ⁴	PASS			
	CBG (Cannabigerol)	Contract Lab ²	Report % w/w	3.40%	PASS			
	CBL (Cannabicyclol)	Contract Lab ²	Report % w/w	ND	PASS			
	Total (Sum of all observed RCs)	Contract Lab ²	Report % w/w	5.0%	PASS			
Total Cannabinoids (CBD plus total RCs, % w/w)	Contract Lab ²	Report % w/w	92%	PASS				

¹MHL in-house method.

²Contract Testing performed by MHL approved lab that is ISO 17025 and CDPHE certified.

³Refer to table on Page 3 for individual pesticides and associated limits.

⁴LOQ of 0.05% w/w

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Test	Methodology	Specification	Test Results	Pass/Fail	
Residual Solvents	Acetone	Contract Lab ²	< 1,000 ppm	ND	PASS
	Benzene	Contract Lab ²	< 2 ppm	ND	PASS
	Butanes	Contract Lab ²	< 1,000 ppm	ND	PASS
	Ethanol	Contract Lab ²	< 1,000 ppm	ND	PASS
	Ethyl Acetate	Contract Lab ²	< 1,000 ppm	ND	PASS
	Heptanes	Contract Lab ²	< 1,000 ppm	118 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	< 1,000 ppm	ND	PASS
	Propane	Contract Lab ²	< 1,000 ppm	ND	PASS
	Toluene	Contract Lab ²	< 180 ppm	ND	PASS
	Total Xylenes (m, p, o-xylenes)	Contract Lab ²	< 430 ppm	ND	PASS
Pesticides	Individual Pesticide Content (ppm)	Contract Lab ²	Individual Pesticide Limit	Conforms	PASS
Elemental Impurities	Arsenic (ppm)	Contract Lab ²	< 1.5 ppm	ND	PASS
	Cadmium (ppm)	Contract Lab ²	< 0.5 ppm	ND	PASS
	Lead (ppm)	Contract Lab ²	< 0.5 ppm	ND	PASS
	Mercury (ppm)	Contract Lab ²	< 1.5 ppm	ND	PASS
Mycotoxins	B1 (AFB1)	Contract Lab ²	< 2 ppb	ND	PASS
	B2 (AFB2)	Contract Lab ²	< 0.5 ppb	ND	PASS
	G1 (AFG1)	Contract Lab ²	< 0.5 ppb	ND	PASS
	G2 (AFG2)	Contract Lab ²	< 0.5 ppb	ND	PASS
	OchratoxinA	Contract Lab ²	< 1.0 ppb	ND	PASS
	Tota (B1+B2+G1+G2)	Contract Lab ²	< 4 ppb	ND	PASS
Microbials	Salmonella spp.	Contract Lab ²	Absent in 25 g	Absent / 25g	PASS
	E. coli (STEC) - Bacteria	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	< 100 cfu/g	PASS

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Residual Pesticide Limits (ppb)

Abamectin	< 300	Fenoxycarb	< 100	Spiromesifen	< 3,000
Acequinocyl	< 3,000	Fenpyroximate	< 2,000	Spirotetramat	< 0
Acetamiprid	< 2,000	Fipronil	< 100	Spiroxamine	< 3,000
Azoxystrobin	< 3,000	Fonicamid	< 2,000	Tebuconazole	< 0
Bifenazate	< 100	Fludioxonil	< 3,000	Thiacloprid	< 100
Boscalid	< 3,000	Hexythiazox	< 2,000	Thiamethoxam	< 1,000
Carbaryl	< 3,000	Imazalil	< 100	Trifloxystrobin	< 0
Chlorantraniliprole	< 500	Imidacloprid	< 1,000		100
Chlordane	< 3,000	Kresoxim-Methyl	< 1,000		1,000
Chlorfenapyr	< 3,000	Malathion	< 2,000		0
Chloromequat	< 500	Metaxyl	< 3,000		3,000
Chloride	< 100	Methiocarb	< 100		0
Chlorpyrifos	< 3,000	Methomyl	< 100		
Clofentazine	< 100	Methyl Parathion	< 100		
Coumaphos	< 100	Mevinphos	< 100		
Cyfluthrin	< 3,000	Myclobutanil	< 3,000		
Cypermethrin	< 100	Naled	< 500		
Daminozide	< 500	Oxamyl	< 500		
Diazinon	< 100	Paclbutrazol	< 100		
Dichlorvos (DDVP)	< 100	Pentachloronitrobenzene	< 200		
Dimethoate	< 1,000	Permethrin	< 1,000		
Dimethomorph	< 1,000	Phosmet	< 200		
Ethoprop(hos)	< 100	Piperonyl butoxide	< 3,000		
Etofenprox	< 200	Prallethrin	< 400		
Etoxazole	< 100	Propiconazole	< 1,000		
Hexachamid	< 3,000	Propoxur	< 100		
	< 100	Pyrethrins	< 1,000		
	< 100	Pyridaben	< 3,000		
	< 1,500	Spinetoram	< 3,000		
	< 3,000	Spinosad A & D	< 3,000		
	<		<		

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