Certificate of Analysis

Final Product: CBD Isolate

Date of Manufacture: Expiration: October 2026

LATA GLANCE I	l Or

Organolpetics Passed	Potency Passed	Residual Passed Solvents	Elemental Passed	Mycotoxins Passed	Microbials Passed	Pesticides Passed
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Table 1: Organoleptic Evaluation and Cannabinoids

Test		Methodology	Specification	LOD/LOQ	Test Results	Pass/Fail
Color and Appearance		TM-004 ² / Contract Lab ³	White, crystalline powder free of particulates	N/A	Conforms	PASS
CBD Potency		Contract Lab (HPLC) ³	≥ 98 % w/w	0.015% / 0.05%	99.1%	PASS
	d9-THC (Δ9-Tetrahydrocannabinol)	Contract Lab(UHPLC) ³	< 1 mg/kg	0.3 / 1.0 (mg/kg)	ND	PASS
	THCA (Δ9-Tetrahydrocannabinolic Acid)	Contract Lab (UHPLC)3	< 1 mg/kg	0.3 / 1.0 (mg/kg)	ND	PASS
Psychoactive Cannabinoids Content	d8-THC (Δ8-Tetrahydrocannabinol)	Contract Lab(UHPLC)3	< 1 mg/kg	0.3 / 1.0 (mg/kg)	ND	PASS
	CBN (Cannabinol)	Contract Lab(UHPLC) ³	< 1 mg/kg	1.0 mg/kg (LOQ) ⁴	<loq< td=""><td>PASS</td></loq<>	PASS
	THCV (Tetrahydrocannabivarin)	Contract Lab(UHPLC) ³	< 1 mg/kg	1.0 mg/kg (LOQ) ⁴	< LOQ	PASS
	Total d9-THC content (d9-THC + THCA*0.877)	Calculated ⁵	< 1 mg/kg	N/A	ND	PASS
Related Cannabinoid Content	CBDVA (Cannabidivarinic Acid)	Contract Lab(HPLC) ³	Report % w/w	0.015% / 0.05%	ND	PASS
	CBDV (Cannabidivarin)	Contract Lab(HPLC) ³	Report % w/w	0.015% / 0.05%	0.05%	PASS
	CBDA (Cannabidiolic Acid)	Contract Lab(HPLC) ³	Report % w/w	0.015% / 0.05%	ND	PASS
	CBGA (Cannabigerolic Acid)	Contract Lab(HPLC) ³	Report % w/w	0.015% / 0.05%	ND	PASS
	CBG (Cannabigerol)	Contract Lab(HPLC) ³	Report % w/w	0.015% / 0.05%	ND	PASS
	THCVA (Tetrahydrocannabivarinic Acid)	Contract Lab(HPLC) ³	Report % w/w	0.015% / 0.05%	ND	PASS
	CBL (Cannabicyclol)	Contract Lab(HPLC) ³	Report % w/w	0.015% / 0.05%	ND	PASS
	CBC (Cannabichromene)	Contract Lab(HPLC) ³	Report % w/w	0.015% / 0.05%	ND	PASS
	CBCA (Cannabichromenic Acid)	Contract Lab(HPLC) ³	Report % w/w	0.015% / 0.05%	ND	PASS
	Total (Sum of all observed Related Cannabinoids)	Calculated ⁴	Report % w/w	N/A	0.05%	PASS
Total Cannabinoids CBD plus sum of psycoactive cannabinoids lust total RCs)		Calculated ⁴	Report % w/w	N/A	99.15%	PASS

Quality Associate II

Prepared by

Date

Quality Manager 11/6/2024

Approved by

Date

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Specification: FX-105 Version: v4.0

¹Product is a crystalline powder.

²In-house method.

³Contract Testing performed by an approved lab that is ISO 17025 and CDPHE certified.

⁴LOD has not been validated for this analyte

⁵Calculations performed by Quality.

⁶Refer to Table 3 for individual pesticides and associated limits. All limits listed as

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Table 2: Contaminants

Test		Methodology	Specification	LOD/LOQ	Test Results	Pass/Fail
	Acetone	Contract Lab (GC-MS) ³	< 1,000 ppm	9.510 / 28.820 (ppm)	ND	PASS
	Benzene	Contract Lab (GC-MS) ³	< 2 ppm	0.089 / 0.295 (ppm)	ND	PASS
	Butanes	Contract Lab (GC-MS) ³	< 1,000 ppm	0.052 / 0.173 (ppm)	ND	PASS
	Ethanol	Contract Lab (GC-MS) ³	< 1,000 ppm	8.984 / 27.230 (ppm)	ND	PASS
	Ethyl Acetate	Contract Lab (GC-MS) ³	< 1,000 ppm	1.123 / 3.745 (ppm)	ND	PASS
	Heptane	Contract Lab (GC-MS) ³	< 1,000 ppm	13.120 / 43.720 (ppm)	239 ppm	PASS
Residual Solvents	Hexane	Contract Lab (GC-MS) ³	< 60 ppm	0.110 / 0.366 (ppm)	ND	PASS
	Isopropyl Alcohol	Contract Lab (GC-MS) ³	< 1,000 ppm	8.421 / 25.520 (ppm)	ND	PASS
	Methanol	Contract Lab (GC-MS) ³	< 600 ppm	5.534 / 16.770 (ppm)	ND	PASS
	Pentane	Contract Lab (GC-MS) ³	< 1,000 ppm	0.310 / 1.033 (ppm)	ND	PASS
	Propane	Contract Lab (GC-MS) ³	< 1,000 ppm	0.234 / 0.781 (ppm)	ND	PASS
	Toluene	Contract Lab (GC-MS) ³	< 180 ppm	0.115 / 0.382 (ppm)	ND	PASS
	Total Xylenes (m, p, o-xylenes)	Contract Lab (GC-MS) ³	< 430 ppm	0.451 / 1.502 (ppm)	ND	PASS
Pesticides	Individual Pesticide Content (ppm)	Contract Lab (HPLC - MS and GC-MS) ³	Individual Pesticide Limits ⁶	See Table 3	Conforms	PASS
	Arsenic (ppm)	Contract Lab (ICP-MS)3	< 1.0 ppm	0.02 / 0.1 (ppm)	ND	PASS
Elemental	Cadmium (ppm)	Contract Lab (ICP-MS) ³	< 0.4 ppm	0.02 / 0.05 (ppm)	ND	PASS
Impurities	Lead (ppm)	Contract Lab (ICP-MS) ³	< 0.5 ppm	0.04 / 0.1 (ppm)	ND	PASS
	Mercury (ppm)	Contract Lab (ICP-MS) ³	< 0.2 ppm	0.002 / 0.01 (ppm)	ND	PASS
Mycotoxins	B1 (AFB1)	Contract Lab (UHPLC-QQQ LCMS/MS) ³	< 2 ppb	1.6 / 5.0 (ppb)	ND	PASS
	B ₂ (AFB ₂)	Contract Lab (UHPLC-QQQ LCMS/MS) ³	< 2 ppb	1.4 / 4.1 (ppb)	ND	PASS
	G1 (AFG1)	Contract Lab (UHPLC-QQQ LCMS/MS) ³	< 2 ppb	1.6 / 4.9 (ppb)	ND	PASS
	G ₂ (AFG ₂)	Contract Lab (UHPLC-QQQ LCMS/MS) ³	< 2 ppb	1,6 / 5.0 (ppb)	ND	PASS
	Ochratoxin A	Contract Lab (UHPLC-QQQ LCMS/MS) ³	< 2 ppb	1.6 / 5.0 (ppb)	ND	PASS
	Total Aflatoxins (Sum of B ₁ , B ₂ , G ₁ , G ₂)	Contract Lab (UHPLC-QQQ LCMS/MS) ³	< 8 ppb	N/A	ND	PASS
	Salmonella spp.	Contract Lab (qPCR) ³	Absent in 25 g	1 cfu/25g (LOD)	Absent / 25g	PASS
	Shiga-toxin E. coli (STEC) - Bacteria	Contract Lab (qPCR) ³	Absent in 25 g	1 cfu/25g (LOD)	Absent / 25g	PASS
Microbials	Total coliforms	Contract Lab (Culture Plating) ³	< 100 cfu/g	10 / 100 (cfu/g)	< 10 cfu/g	PASS
microbials	Total aerobic plate count	Contract Lab (Culture Plating) ³	< 10,000 cfu/g	100 / 1,000 (cfu/g)	< 100 cfu/g	PASS
	Total yeast and mold	Contract Lab (Culture Plating) ³	< 1,000 cfu/g	10 / 100 (cfu/g)	< 10 cfu/g	PASS

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Table 3: Residual Pesticides (Detailed)

Compound	Specification (ppm)	LOD/LOQ (ppm)	Result	Compound	Specification (ppm)	LOD/LOQ (ppm)	Result
Abamectin	≤ 0.25	0.032 / 0.097	ND	Fluopyram	≤ 0.01	0.003 / 0.009	ND
Acephate	≤ 0.05	0.006 / 0.018	ND	Hexythiazox	Report	0.003 / 0.010	ND
Acequinocyl	Report	0.009 / 0.027	ND	Imazalil	≤ 0.01	0.003 / 0.009	ND
Acetamiprid	≤ 0.05	0.016 / 0.049	ND	Imidacloprid	≤ 0.01	0.003 / 0.010	ND
Aldicarb	≤ 0.5	0.030 / 0.090	ND	Iprodione	≤ 0.50	0.077 / 0.233	ND
Allethrin	≤ 0.1	0.030 / 0.092	ND	Kinoprene	< 1.25	0.077 / 0.233	ND
Atrazine	Report	0.006 / 0.019	ND	Kresoxim-methyl	≤ 0.15	0.006 / 0.019	ND
Azadirachtin	≤ 0.5	0.082 / 0.248	ND	(Lambda) Cyhalothrin	Report	0.068 / 0.206	ND
Azoxystrobin	≤ 0.01	0.003 / 0.009	ND	Malathion	≤ 0.01	0.003 / 0.009	ND
Benzovindiflupyr	≤ 0.01	0.003 / 0.009	ND	Metalaxyl	≤ 0.01	0.003 / 0.010	ND
Bifenazate	≤ 0.01	0.003 / 0.009	ND	Methiocarb	≤ 0.01	0.003 / 0.008	ND
Bifenthrin	Report	0.021 / 0.064	ND	Methomyl	≤ 0.025	0.008 / 0.025	ND
Boscalid	≤ 0.01	0.003 / 0.009	ND	Methoprene	Report	0.172 / 0.521	ND
Buprofezin	Report	0.006 / 0.019	ND	Mevinphos	≤ 0.025	0.008 / 0.024	ND
Carbaryl	≤ 0.025	0.007 / 0.020	ND	MGK-264	Report	0.015 / 0.047	ND
Carbofuran	≤ 0.01	0.003 / 0.008	ND	Myclobutanil	≤ 0.01	0.003 / 0.009	ND
Chlorantraniliprole	Report	0.006 / 0.018	ND	Naled	Report	0.021 / 0.064	ND
Chlorphenapyr	≤ 1.5	0.005 / 0.015	ND	Novaluron	≤ 0.025	0.002 / 0.005	ND
Chlorpyrifos	≤ 0.5	0.013 / 0.039	ND	Oxamyl	≤ 1.5	0.017 / 0.051	ND
Clofentezine	≤ 0.01	0.003 / 0.009	ND	Paclobutrazol	≤ 0.01	0.003 / 0.010	ND
Clothianidin	≤ 0.025	0.008 / 0.025	ND	Parathion-methyl	Report	0.016 / 0.050	ND
Coumaphos	≤ 0.01	0.003 / 0.010	ND	Permethrin	Report	0.056 / 0.168	ND
Cyantraniliprole	≤ 0.01	0.003 / 0.010	ND	Phenothrin	Report	0.016 / 0.047	ND
Cyfluthrin	Report	0.052 / 0.159	ND	Phosmet	Report	0.007 / 0.020	ND
Cypermethrin	Report	0.051 / 0.153	ND	Piperonyl Butoxide	≤ 1.25	0.010 / 0.029	ND
Cyprodinil	≤ 0.01	0.003 / 0.008	ND	Pirimicarb	≤ 0.01	0.003 / 0.009	ND
Daminozide	Report	0.026 / 0.077	ND	Prallethrin	Report	0.015 / 0.046	ND
Deltamethrin	Report	0.059 / 0.180	ND	Propiconazole	Report	0.027 / 0.080	ND
Diazinon	Report	0.006 / 0.017	ND	Propoxur	≤ 0.01	0.003 / 0.008	ND
Dichlorvos	≤ 0.05	0.012 / 0.038	ND	Pyraclostrobin	≤ 0.01	0.003 / 0.010	ND
Dimethoate	≤ 0.01	0.003 / 0.009	ND	Pyrethrins	Report	0.016 / 0.049	ND
Dimethomorph	Report	0.016 / 0.050	ND	Pyridaben	≤ 0.02	0.005 / 0.017	ND
Dinotefuran	≤ 0.05	0.010 / 0.030	ND	Pyriproxyfen	Report	0.003 / 0.009	ND
Diuron	Report	0.013 / 0.040	ND	Quintozene	Report	0.004 / 0.012	ND
Dodemorph	Report	0.012 / 0.035	ND	Resmethrin	≤ 0.05	0.013 / 0.039	ND
Endosulfan sulfate	≤ 2.5	0.016 / 0.048	ND	Spinetoram	≤ 0.01	0.003 / 0.010	ND
Endosulfan-alpha	≤ 2.5	0.004 / 0.014	ND	Spinosad	≤ 0.01	0.003 / 0.010	ND
Endosulfan-beta	≤ 2.5	0.006 / 0.019	ND	Spiriclofen	Report	0.031 / 0.093	ND
Ethoprophos	≤ Report	0.003 / 0.009	ND	Spiromesifen	Report	0.016 / 0.050	ND
Etofenprox	Report	0.014 / 0.042	ND	Spirotetramat	≤ 0.01	0.003 / 0.010	ND
Etoxazole	≤ 0.15	0.007 / 0.020	ND	Spiroxamine	Report	0.020 / 0.062	ND
Etridiazole	Report	0.002 / 0.005	ND	Tebuconazole	≤ 0.01	0.003 / 0.010	ND
Fenhexamid	≤ 0.01	0.003 / 0.008	ND	Tebufenozide	≤ 0.01	0.003 / 0.008	ND
Fenoxycarb	Report	0.003 / 0.010	ND	Teflubenzuron	≤ 0.025	0.007 / 0.022	ND
Fenpyroximate	≤ 0.01	0.007 / 0.020	ND	Tetrachlorvinphos	≤ 0.01	0.003 / 0.008	ND
Fensulfothion	≤ 0.01	0.003 / 0.010	ND	Tetramethrin	Report	0.021 / 0.063	ND
Fenthion	Report	0.003 / 0.010	ND	Thiabendazole	Report	0.006 / 0.020	ND
Fenvalerate	≤ 0.01	0.033 / 0.099	ND	Thiacloprid	≤ 0.01	0.003 / 0.009	ND
Fipronil	≤ 0.025	0.003 / 0.010	ND	Thiamethoxam	≤ 0.01	0.003 / 0.010	ND
Flonicamid	≤ 0.01	0.007 / 0.022	ND	Thiophanate-methyl	Report	0.013 / 0.040	ND
Fludioxonil	≤ 0.01	0.003 / 0.010	ND	Trifloxystrobin	≤ 0.01	0.003 / 0.009	ND
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Quality Associate II

Quality Manager 11/6/2024

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