

Order #: BAL200904-020024 Order Date: 2020-09-04 Collection Date: 2020-09-08 Report Date: 2020-09-21

Batch #: 6202460
Sample #: AAA0827
Specimen Type: CBD/HEMP Derivative Products (Ingestion)
Extracted From: Industrial Hemp
Description: CBD Isolate Powder

Initial Gross Weight: 42.66 g
Method: SOP-3



Potency Tested	Heavy Metals Passed	Mycotoxins Passed
Pesticides Passed	Residual Solvents Passed	Water Activity Tested
Pathogenic Passed	Microbiology (qPCR) Passed	



The photos on this report are of a sample collected by the lab and may vary from the final packaging.

Total CBD 98.930%	Total THC Not Detected	Total CBG Not Detected
Total CBN Not Detected	Other Cannabinoids 0.300%	Total Cannabinoids 99.230%

Potency - 11 (Tested)

(HPLC/LCMS)

Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
CBC	<LOQ		0.001	CBC	<LOQ		0.03	CBD	989.300	98.930	0.001
CBD	989.300	98.930	0.03	CBDA	<LOQ		0.001	CBDA	<LOQ		0.03
CBDV	3.001	0.300	0.001	CBG	<LOQ		0.001	CBGA	<LOQ		0.001
CBN	<LOQ		0.001	Delta-8 THC	<LOQ		0.001	Delta-9 THC	<LOQ		0.001
THCA-A	<LOQ		0.001	THCV	<LOQ		0.001	Total CBD	989.300	98.930	0.001
Total THC	<LOQ		0.001								

*Total CBD = CBD + (CBD-A * 0.877), *Total THC = THCA-A * 0.877 + Delta 9 THC, *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A (mg/g) = Milligram per Gram, , LOQ = Limit of Quantitation, , LOD = Limit of Detection

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Heavy Metals (Passed)

(ICP-MS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Arsenic (As)	1500	<LOQ	100	Cadmium (Cd)	500	<LOQ	100	Lead (Pb)	500	<LOQ	100
Mercury (Hg)	3000	<LOQ	100								

(ppb) = Parts per Billion, (ppb) = (µg/kg), , LOQ = Limit of Quantitation

Mycotoxins (Passed)

(LCMS/API/GCMS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Aflatoxin B1	20	<LOQ	6	Aflatoxin B2	20	<LOQ	6	Aflatoxin G1	20	<LOQ	6
Aflatoxin G2	20	<LOQ	6	Aflatoxin Total	20	<LOQ	6	Ochratoxin A	20	<LOQ	12

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Pesticides FL V4 (Non-Inhalable) (Passed)

(LCMS/API/GCMS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)	Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Abamectin	300	<LOQ	28.23	Acephate	3000	<LOQ	30	Acequinocyl	2000	<LOQ	48
Acetamiprid	3000	<LOQ	30	Aldicarb	100	<LOQ	30	Azoxystrobin	3000	<LOQ	10
Bifentazate	3000	<LOQ	30	Bifenthrin	500	<LOQ	30	Boscalid	3000	<LOQ	10
Captan	3000	<LOQ	30	Carbaryl	500	<LOQ	10	Carbaryl	500	<LOQ	10
Carbofuran	100	<LOQ	10	Chlorantranilprole	3000	<LOQ	10	Chlordane	100	<LOQ	10
Chlorfenapyr	100	<LOQ	30	Chlormequat Chloride	3000	<LOQ	10	Chlorpyrifos	100	<LOQ	30
Coumaphos	100	<LOQ	48	Cyfluthrin	1000	<LOQ	30	Clofentezine	500	<LOQ	30
Daminozide	100	<LOQ	30	Diazinon	200	<LOQ	30	Cypermethrin	1000	<LOQ	30
Dimethoate	100	<LOQ	30	Dimethomorph	3000	<LOQ	48	Dichlorvos	100	<LOQ	30
Etofenprox	100	<LOQ	30	Etoazole	1500	<LOQ	30	Ethoprophos	100	<LOQ	30
Fenoxycarb	100	<LOQ	30	Fenpyroximate	2000	<LOQ	30	Fenhexamid	3000	<LOQ	10
Fonicamid	2000	<LOQ	30	Fludioxonil	3000	<LOQ	48	Fipronil	100	<LOQ	30
Imazalil	100	<LOQ	30	Imidacloprid	3000	<LOQ	30	Hexythiazox	2000	<LOQ	30
Malathion	2000	<LOQ	30	Metalaxyl	3000	<LOQ	10	Kresoxim Methyl	1000	<LOQ	30
Methomyl	100	<LOQ	30	methyl-Parathion	100	<LOQ	10	Methiocarb	100	<LOQ	30
Myclobutanil	3000	<LOQ	30	Naled	500	<LOQ	30	Mevinphos	100	<LOQ	10
Paclobutrazol	100	<LOQ	30	Pentachloronitrobenzene	200	<LOQ	10	Oxamyl	500	<LOQ	30
Permethrintrans	1000	<LOQ	30	Phosmet	200	<LOQ	30	Permethrin	1000	<LOQ	30
Prallethrin	400	<LOQ	30	Propiconazole	1000	<LOQ	30	Permethrincis	1000	<LOQ	30
Pyrethrins	1000	<LOQ	30	Pyridaben	3000	<LOQ	30	Piperonylbutoxide	3000	<LOQ	30
Spinosad	3000	<LOQ	30	Spinosyn A	3000	<LOQ	10	Propoxur	100	<LOQ	30
Spiromesifen	3000	<LOQ	30	Spirotetramat	3000	<LOQ	30	Spinetoram	3000	<LOQ	10
Tebuconazole	1000	<LOQ	30	Thiacloprid	100	<LOQ	30	Spinosyn D	3000	<LOQ	10
Trifloxystrobin	3000	<LOQ	30					Spiroxamine	100	<LOQ	30
								Thiamethoxam	1000	<LOQ	30

(ppb) = Parts per Billion, (ppb) = (µg/kg), LOQ = Limit of Quantitation

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Method: SOP-3



Residual Solvents - BHB (Passed)

(GC/GCMS)

Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)	Analyte	Action Level (ppm)	Result (ppm)	LOQ (ppm)
1,1-Dichloroethene	8	<LOQ	0.16	1,2-Dimethoxyethane	100	<LOQ	0.04	1,2-dichloroethane	2	<LOQ	1.67
1,2-dimethylbenzene	1000	<LOQ	1.67	1,3-dimethylbenzene	1000	<LOQ	1.67	1,4 Dioxane	380	<LOQ	1.67
1-Butanol	5000	<LOQ	1.67	1-Pentanol	5000	<LOQ	1.67	1,4-dimethylbenzene	1000	<LOQ	1.67
2,2-dimethylbutane	290	<LOQ	1.67	2,3-dimethylbutane	290	<LOQ	1.67	1-Propanol	5000	<LOQ	1.67
2-Ethoxyethanol	160	<LOQ	1.67	2-methylbutane	5000	<LOQ	1.67	2-Butanol	5000	<LOQ	1.67
2-Propanol (IPA)	5000	<LOQ	1.67	3-Methylpentane	290	<LOQ	1.67	2-Butanone	5000	<LOQ	6.4
Acetonitrile	410	<LOQ	0.02	Benzene	2	<LOQ	1.67	2-Methylpentane	290	<LOQ	1.67
Chloroform	60	<LOQ	0.04	Cumene	70	<LOQ	1.67	Acetone	5000	<LOQ	1.67
Dichloromethane	600	<LOQ	1.67	Dimethyl sulfoxide	5000	<LOQ	1.67	Butane	2000	<LOQ	1.67
Ethyl Ether	5000	<LOQ	1.39	Ethylbenzene	1000	<LOQ	1.67	Cyclohexane	3880	<LOQ	1.67
Ethylene Oxide	5	<LOQ	0.1	Heptane	5000	<LOQ	1.67	Ethanol	5000	<LOQ	1.67
Hexane	290	<LOQ	1.17	Isopropyl acetate	5000	<LOQ	1.67	Ethyl Acetate	5000	<LOQ	1.11
Methanol	3000	<LOQ	0.69	Methylene chloride	600	<LOQ	2.43	Ethylene glycol	620	<LOQ	1.67
N,N-dimethylformamide	880	<LOQ	1.67	n-Hexane	290	<LOQ	1.67	Heptane	5000	<LOQ	1.67
Toluene	890	<LOQ	1.67	Propane	2100	<LOQ	1.67	Isopropyl alcohol	500	<LOQ	1.67
Xylenes(o)	1000	<LOQ	1.67	Sulfolane	160	<LOQ	1.67	Methylpropane	5000	<LOQ	1.67
				Total Xylenes	1000	<LOQ	1.67	N,N-dimethylacetamide	1090	<LOQ	1.67
				Xylenes(p/m)	1000	<LOQ	1.67	Pentane	5000	<LOQ	1.67
								Pyridine	100	<LOQ	1.67
								Tetrahydrofuran	720	<LOQ	1.67
								Trichloroethylene	80	<LOQ	0.49

(ppm) = Parts per Million, (ppm) = (µg/g), LOQ = Limit of Quantitation

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Water Activity (Tested)

(Water Activity Analyzer)

Analyte	Result (aw)
Water Activity	0.362

(aw) = aw

Pathogenic SAE (qPCR) (Passed)

(qPCR)

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	Absence in 1g	Pseudomonas aeruginosa	Absence in 1g	Staphylococcus aureus	Absence in 1g

(cfu/g) = Colony Forming Unit per Gram

Total Yeast and Mold (Passed)

(qPCR)

Analyte	Action Level (cfu/g)	Result (cfu/g)	Result
Total Yeast/Mold	100000	<10	Passed

(cfu/g) = Colony Forming Unit per Gram

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