

Certificate of Analysis

Order #: BAL201007-020026 Order Date: 2020-10-07 Collection Date: 2020-10-08 Report Date: 2020-10-16

Batch #: 3202730
Sample #: AAAQ577
Specimen Type: CBD/HEMP Derivative Products (Ingestion)
Extracted From: Industrial Hemp
Description: Relief+ Relax 500mg ISO Tincture

Initial Gross Weight: 82.346 g
Specimen Weight: 253.25 mg
Density: .94 mg/ml
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 1.918%	Total THC Not Detected	Total CBG Not Detected
Total CBN Not Detected	Other Cannabinoids Not Detected	Total Cannabinoids 1.918%

Potency - 11 (Tested)

Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)
CBC	<LOQ	0.001		CBD	18.029	1.918	0.001	CBDA	<LOQ	0.001	
CBDV	<LOQ	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	18.029	1.918	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/ml) = Milligrams per Milliliter, , LOQ = Limit of Quantitation, , LOD = Limit of Detection , *Measurement of Uncertainty = +/- 5%

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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/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)
Aflatoxin B1	20	<LOQ	6	Aflatoxin B2	20	<LOQ	6	Aflatoxin G1	20	<LOQ	6
Aflatoxin G2	20	<LOQ	6	Ochratoxin A	20	<LOQ	12				

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Pesticides FL V4 (Non-Inhalable) (Passed)

(LCMS/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)
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	Carbofuran	100	<LOQ	10
Chlorantraniliprole	3000	<LOQ	10	Chlordane	100	<LOQ	10	Chlorfenapyr	100	<LOQ	30
Chloromequat Chloride	3000	<LOQ	10	Chlorpyrifos	100	<LOQ	30	Clofentezine	500	<LOQ	30
Cypermethrin	1000	<LOQ	30	Coumaphos	100	<LOQ	48	Cyfluthrin	1000	<LOQ	30
Dichlorvos	100	<LOQ	30	Daminozide	100	<LOQ	30	Diazinon	200	<LOQ	30
Ethoprophos	100	<LOQ	30	Dimethoate	100	<LOQ	30	Dimethomorph	3000	<LOQ	48
Fenhexamid	3000	<LOQ	10	Etofenprox	100	<LOQ	30	Etoxazole	1500	<LOQ	30
Fipronil	100	<LOQ	30	Fenoxycarb	100	<LOQ	30	Fenpyroximate	2000	<LOQ	30
Hexythiazox	2000	<LOQ	30	Fonicamid	2000	<LOQ	30	Fludioxonil	3000	<LOQ	48
Kresoxim Methyl	1000	<LOQ	30	Imazalil	100	<LOQ	30	Imidacloprid	3000	<LOQ	30
Methiocarb	100	<LOQ	30	Malathion	2000	<LOQ	30	Metalaxyl	3000	<LOQ	10
Mevinphos	100	<LOQ	10	Methomyl	100	<LOQ	30	methyl-Parathion	100	<LOQ	10
Oxamyl	500	<LOQ	30	Myclobutanil	3000	<LOQ	30	Naled	500	<LOQ	30
Permethrin	1000	<LOQ	30	Paclobutrazol	100	<LOQ	30	Pentachloronitrobenzene	200	<LOQ	10
Prallethrin	400	<LOQ	30	Phosmet	200	<LOQ	30	Piperonylbutoxide	3000	<LOQ	30
Pyrethrins	1000	<LOQ	30	Propiconazole	1000	<LOQ	30	Propoxur	100	<LOQ	30
Spinosad	3000	<LOQ	30	Pyridaben	3000	<LOQ	30	Spinetoram	3000	<LOQ	10
Spiroxamine	100	<LOQ	30	Spiromesifen	3000	<LOQ	30	Spirotetramat	3000	<LOQ	30
Thiamethoxam	1000	<LOQ	30	Tebuconazole	1000	<LOQ	30	Thiacloprid	100	<LOQ	30
				Trifloxystrobin	3000	<LOQ	30				

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

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Water Activity (Tested)

(Water Activity Analyzer)

Analyte	Result (aw)
Water Activity	0.297

(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	E.Coli	Absence in 1g	Salmonella	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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