

Order #: BAL200730-020018 Order Date: 2020-07-30 Collection Date: 2020-07-31 Report Date: 2020-08-12

Batch #: 1202030
Sample #: AAAK353
Specimen Type: CBD/HEMP Derivative Products (Ingestion)
Extracted From: HEMP
Description: RELIEF + RELAX 1000mg CBD OIL PER BOTTLE - FSO

Initial Gross Weight: 12.000 g
Method: SOP-3



Potency Tested	Terpenes Tested	Heavy Metals Passed
Mycotoxins Passed	Pesticides Passed	Residual Solvents Passed
Water Activity Tested	Pathogenic Passed	



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

Total THC 0.150%	Total CBD 3.785%	Total CBG 0.205%
Total CBN Not Detected	Other Cannabinoids 0.301%	Total Cannabinoids 4.441%

Potency - 11 (Tested)

(HPLC/LCMS)

Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
CBC	1.905	0.191	0.001	CBD	37.850	3.785	0.001	CBDA		<LOQ	0.001
CBDV	1.108	0.111	0.001	CBG	2.046	0.205	0.001	CBGA		<LOQ	0.001
CBN		<LOQ	0.001	Delta-8 THC		<LOQ	0.001	Delta-9 THC	1.503	0.150	0.001
THCA-A		<LOQ	0.001	THCV		<LOQ	0.001	Total CBD	37.850	3.785	0.001
Total THC	1.503	0.150	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, *Measurement of Uncertainty = +/- 5%

Xueli Gao
Ph.D., DABT

Lab Toxicologist

Aixia Sun
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Lab Director/Principal Scientist

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Sun City Center, FL - 33573

P: +1 (866) 762-8379
F: +1 (813) 634-4538

E: info@acslabcannabis.com
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Terpenes - FL (Tested)

(GC)

Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
(+)-Cedrol	<LOQ		0.02	(R)-(+)-Limonene	<LOQ		0.02	3-Carene	<LOQ		0.02
alpha-Bisabolol	<LOQ		0.02	alpha-Cedrene	<LOQ		0.02	alpha-Humulene	<LOQ		0.02
alpha-Phellandrene	<LOQ		0.02	alpha-Pinene	<LOQ		0.02	alpha-Terpinene	<LOQ		0.02
Borneol	<LOQ		0.04	beta-Myrcene	<LOQ		0.02	beta-Pinene	<LOQ		0.02
Caryophyllene oxide	<LOQ		0.02	Camphene	<LOQ		0.02	Camphors	<LOQ		0.04
Fenchyl Alcohol	<LOQ		0.02	cis-Nerolidol	<LOQ		0.02	Eucalyptol	<LOQ		0.02
Guaiol	<LOQ		0.02	Farnesene	<LOQ		0.02	Fenchone	<LOQ		0.02
Isopulegol	<LOQ		0.02	Gamma-Terpinene	<LOQ		0.02	Geraniol	<LOQ		0.02
Ocimene	<LOQ		0.014	Hexahydrothymol	<LOQ		0.02	Geranyl acetate	<LOQ		0.02
Sabinene Hydrate	<LOQ		0.02	Linalool	<LOQ		0.02	Isoborneol	<LOQ		0.02
trans-Caryophyllene	<LOQ		0.02	Pulegone	<LOQ		0.02	Nerol	<LOQ		0.02
				Terpineol	<LOQ		0.02	Sabinene	<LOQ		0.02
				trans-Nerolidol	<LOQ		0.02	Terpinolene	<LOQ		0.02
								Valencene	<LOQ		0.02

(mg/g) = Milligram per Gram, , LOQ = Limit of Quantitation

Xueli Gao Lab Toxicologist
Ph.D., DABT

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

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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, (µg/kg), , LOQ = Limit of Quantitation

Mycotoxins (Passed)

(LCMS)

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				

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

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Pesticides FL V4 (Passed)

(LCMS/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
Bifenazate	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	Flonicamid	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	Metaxyl	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	Paclbutrazol	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				

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

Xueli Gao Lab Toxicologist
Ph.D., DABT

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

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Residual Solvents (For UT Clients ONLY) (Passed)

(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)
1,2-Dimethoxyethane	100	<LOQ	6.4	1,4-Dioxane	380	<LOQ	8	1-Butanol	5000	<LOQ	6.4
2,2-dimethylbutane	290	<LOQ	12	1-Pentanol	5000	<LOQ	0.32	1-Propanol	5000	<LOQ	8
2-methylbutane	5000	<LOQ	2	2,3-dimethylbutane	290	<LOQ	26.668	2-Butanol	5000	<LOQ	8
3-Methylpentane	290	<LOQ	2.4	2-Methylpentane	290	<LOQ	6.4	2-Ethoxyethanol	160	<LOQ	4
Benzene	2	<LOQ	0.016	Acetone	5000	<LOQ	12	2-Propanol (IPA)	5000	<LOQ	6.4
Cyclohexane	3880	<LOQ	0.032	Butane	5000	<LOQ	13.32	Acetonitrile	410	<LOQ	0.96
Ethanol	5000	<LOQ	16	Dichloromethane	600	<LOQ	0.8	Cumene	70	<LOQ	0.032
Ethylene glycol	620	<LOQ	6.4	Ethyl Acetate	5000	<LOQ	6.4	Dimethyl sulfoxide	5000	<LOQ	6.4
Heptane	5000	<LOQ	8	Ethylene Oxide	50	<LOQ	0.32	Ethyl Ether	5000	<LOQ	8
Methylpropane	5000	<LOQ	2	Isopropyl acetate	5000	<LOQ	8	Heptane	5000	<LOQ	8
n-Hexane	290	<LOQ	0.8	N,N-dimethylacetamide	1090	<LOQ	6.4	Methanol	3000	<LOQ	4
Pyridine	100	<LOQ	6.4	Pentane	5000	<LOQ	12	N,N-dimethylformamide	880	<LOQ	0.132
Toluene	890	<LOQ	2.4	Sulfolane	160	<LOQ	6.4	Propane	5000	<LOQ	26.668
				Total Xylenes	1000	<LOQ	7.2	Tetrahydrofuran	720	<LOQ	6.4

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

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Water Activity (Tested)

(Water Activity Analyzer)

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.85	0.288

(aw) = aw

Pathogenic SAE (qPCR) (Passed)

(qPCR)

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	E.Coli	1	Absence in 1g	Salmonella	1	Absence in 1g

(cfu/g) = Colony Forming Unit per Gram

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