

Order #: BAL201023-010065 Order Date: 2020-10-23 Collection Date: 2020-10-28 Report Date: 2020-11-05

Batch #: BHB-003 (DRUM 1-9)
Sample #: AAAR658
Specimen Type: CBD/HEMP Derivative Products (Ingestion)
Extracted From: Industrial Hemp
Description: BHB Crude Oil

Initial Gross Weight: 67.913 g
Specimen Weight: 254.17 mg
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 49.678%	Total THC 1.222%	Total CBG 0.302%
Total CBN 0.233%	Other Cannabinoids 1.370%	Total Cannabinoids 52.805%

Potency - 11 (Tested)

(HPLC/LCMS)

Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
CBC	13.700	1.370	0.001	CBD	282.000	28.200	0.001	CBDA	244.900	24.490	0.001
CBDV	<LOQ	0.001		CBG	3.015	0.302	0.001	CBGA	<LOQ	0.001	
CBN	2.333	0.233	0.001	Delta-8 THC	<LOQ	0.001		Delta-9 THC	10.620	1.062	0.001
THCA-A	1.830	0.183	0.001	THCV	<LOQ	0.001		Total CBD	496.777	49.678	0.001
Total THC	12.225	1.222	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 Lab Toxicologist
Ph.D., DABT

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

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.

721 Cortaro Drive
Sun City Center, FL - 33573

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

E: info@acslabcannabis.com
http://www.acslabcannabis.com

License No. 800025015
CLIA No. 10D1094068

Order #: BAL201023-010065 Order Date: 2020-10-23 Collection Date: 2020-10-28 Report Date: 2020-11-05

Batch #: BHB-003 (DRUM 1-9)
 Sample #: AAAR658
 Specimen Type: CBD/HEMP Derivative Products (Ingestion)
 Extracted From: Industrial Hemp
 Description: BHB Crude Oil

Initial Gross Weight: 67.913 g
 Specimen Weight: 254.17 mg
 Method: SOP-3



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	Ochratoxin A	20	<LOQ	12				

(ppb) = Parts per Billion, (ppb) = (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)

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.

721 Cortaro Drive
 Sun City Center, FL - 33573

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

E: info@acslabcannabis.com
<http://www.acslabcannabis.com>

License No. 800025015
 CLIA No. 10D1094068

Order #: BAL201023-010065 Order Date: 2020-10-23 Collection Date: 2020-10-28 Report Date: 2020-11-05

Batch #: BHB-003 (DRUM 1-9)
Sample #: AAAR658
Specimen Type: CBD/HEMP Derivative Products (Ingestion)
Extracted From: Industrial Hemp
Description: BHB Crude Oil

Initial Gross Weight: 67.913 g
Specimen Weight: 254.17 mg
Method: SOP-3



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	Carbofuran	100	<LOQ	10
Chlorantranilprole	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				

(ppb) = Parts per Billion, (ppb) = (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)

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.

721 Cortaro Drive
Sun City Center, FL - 33573

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

E: info@acslabcannabis.com
<http://www.acslabcannabis.com>

License No. 800025015
CLIA No. 10D1094068

Order #: BAL201023-010065 Order Date: 2020-10-23 Collection Date: 2020-10-28 Report Date: 2020-11-05

Batch #: BHB-003 (DRUM 1-9)
Sample #: AAAR658
Specimen Type: CBD/HEMP Derivative Products (Ingestion)
Extracted From: Industrial Hemp
Description: BHB Crude Oil

Initial Gross Weight: 67.913 g
Specimen Weight: 254.17 mg
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
1,4 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	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 Ether	5000	<LOQ	1.39	Ethylene glycol	620	<LOQ	1.67	Ethyl Acetate	5000	<LOQ	1.11
Heptane	5000	<LOQ	1.67	Heptane	5000	<LOQ	1.67	Ethylene Oxide	5	<LOQ	0.1
Isopropyl acetate	5000	<LOQ	1.67	Isopropyl alcohol	500	<LOQ	1.67	Hexane	290	<LOQ	1.17
Methylene chloride	600	<LOQ	2.43	Methylpropane	5000	<LOQ	1.67	Methanol	3000	<LOQ	0.69
N,N-dimethylformamide	880	<LOQ	1.67	Pentane	5000	<LOQ	1.67	N,N-dimethylacetamide	1090	<LOQ	1.67
Total Xylenes	1000	<LOQ	1.67	Pyridine	100	<LOQ	1.67	Propane	2100	<LOQ	1.67
				Tetrahydrofuran	720	<LOQ	1.67	Sulfolane	160	<LOQ	1.67
				Trichloroethylene	80	<LOQ	0.49	Toluene	890	<LOQ	1.67

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

Xueli Gao
Ph.D., DABT

Lab Toxicologist

Aixia Sun

Lab Director/Principal Scientist

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

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.

721 Cortaro Drive
Sun City Center, FL - 33573

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

E: info@acslabcannabis.com
<http://www.acslabcannabis.com>

License No. 800025015
CLIA No. 10D1094068

Order #: BAL201023-010065 Order Date: 2020-10-23 Collection Date: 2020-10-28 Report Date: 2020-11-05

Batch #: BHB-003 (DRUM 1-9)
 Sample #: AAAR658
 Specimen Type: CBD/HEMP Derivative Products (Ingestion)
 Extracted From: Industrial Hemp
 Description: BHB Crude Oil

Initial Gross Weight: 67.913 g
 Specimen Weight: 254.17 mg
 Method: SOP-3



Water Activity (Tested)

(Water Activity Analyzer)

Analyte	Result (aw)
Water Activity	0.447

(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

Xueli Gao Lab Toxicologist
 Ph.D., DABT

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

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Accredited by a third-party accrediting body as a competent testing laboratory pursuant to ISO/IEC 17025 of the International Organization for Standardization.

721 Cortaro Drive
 Sun City Center, FL - 33573

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

E: info@acslabcannabis.com
<http://www.acslabcannabis.com>

License No. 800025015
 CLIA No. 10D1094068