

# Full Spectrum Hemp-Derived CBG 2000mg CBG:CBD Tincture Natural

### **Batch Specific Information**

**Product Name:** Kōkua CBG:CBD Tincture, 1000mg CBG 1000mg CBD, Natural

Full Spectrum Oil-Based Tincture, 1 fl oz (30 mL) **Product Description:** 

**Product Ingredients:** Coconut MCT Oil\*, Full Spectrum Hemp Extract^

Batch No.: BP01T35

**Best if Used By:** July 2021

Date of Production: June 2020

**Hemp Extraction Method:** CO<sub>2</sub> Extraction, Winterization

Farm Location: Crestwood, Kentucky

#### **Produced By:**

**Botanical Processing LLC** PO Box 32127 Louisville, KY 40232 (502) 742-7151 customercare@botanical-processing.com aloha@kokuacreations.com

\*USDA Certified Organic Ingredient

^Produced in-house from locally sourced hemp flower

This product contains less than 0.3% THC. These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.



Marie Grinstead, PhD Born in Hawai'i, Raised in Kentucky.

### **ABOUT KŌKUA**

In 2015, Marie founded Botanical Processing, a CO<sub>2</sub> extraction laboratory, while working towards her doctorate in engineering. As an extraction scientist, she focuses on researching and developing optimal CO<sub>2</sub> extraction methods as part of producing safe and effective natural products. Marie is humbled by the opportunity to share her wellness creations, and Kōkua is uniquely made using her preferred ingredients and methods.

With no better way to express her motivation behind the brand, she chose the Hawaiian word, Kōkua, meaning the desire to help, aid, and assist others. When she is not in the lab, Marie spends time with her family and devotes efforts towards her dance studio, 'Ike Roa, which exists to share and perpetuate the beautiful, diverse cultures of Polynesia.



673 N. Bardstown Rd Mount Washington, KY, 40047, US

# Certificate of Analysis

Jul 29, 2020 | Botanical Processing LLC

4484 Robards Lane Louisville, Kentucky, 40218, United States



#### Kaycha Labs

Matrix: Derivative

CBD + CBD Tincture



Sample:MO00728002-001 Harvest/Lot ID: BP01T35

Seed to Sale #N/A Batch Date :N/A Batch#: BP01T35

Sample Size Received: 3 ml Retail Product Size: 30 ml

Ordered: 07/27/20 Sampled: 07/27/20

Completed: 07/29/20 Expires: 07/29/21 Sampling Method: SOP Client Method

PASSED

Page 1 of 1

PRODUCT IMAGE SAFETY RESULTS

**CANNABINOID RESULTS** 









Heavy Metals







Solvents









Moisture



NOT TESTED

MISC.

Pesticides



0.075%



4.168%

**Total Cannabinoids** 8.463%

	%	%	%	%	%	%	%	%	%	%	%
LOD	0.0001	0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	0.750 mg/g	ND	39.660 mg/g	2.310 mg/g	ND	ND	ND	0.810 mg/g	1.850 mg/g	39.250 mg/g	ND
	0.075%	ND	3.966%	0.231%	ND	ND	ND	0.081%	0,185%	3.925%	ND
	D9-THC	THCA	CBD	CBDA	D8-THC	THCV	CBN	CBDV	CBC	CBG	CBGA
		NORTH CONTRACTOR			ACCUPATION AND ADDRESS OF THE PARTY OF THE P		Restriction - Management				

#### **Cannabinoid Profile Test**

Weight Extraction date: Extracted By: Analyzed by Reviewed On - 07/29/20 15:40:07 Analysis Method -SOP.T.40.020, SOP.T.30.050

Analytical Batch -MO000853POT Reagent

Consums, ID

Instrument Used: HPLC Potency Analyzer Batch Date: 07/28/20 16:13:32

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L). Measurement of Uncertainty: 2.7%

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. [C=In-control OC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit of Ouantitation (LoO) are terms used to describe the smallest concentration that can be railably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

**David Greene** 

Lab Director

State License # 19-05-02P ISO Accreditation # 17025:2017 #97164

Signature

07/29/2020

Signed On



Order #: 56748 Order Name: CBD + CBG Tincture Batch#: BP01T35

Batch#: BP01T35
Received: 06/26/2020
Completed: 07/08/2020



Botanical Processing LLC marie@botanical-processing.com



#### **PESTICIDE ANALYSIS:**

GSL SOP 401

PREPARED: 06/29/2020 16:41:17

LCMS-MS - Shimadzu LCMS-8060

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)	Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.100	N/D	0.005	0.001	IMIDACLOPRID	5.000	N/D	0.005	0.001
ACEPHATE	0.100	N/D	0.001	0.001	KRESOXIM-METHYL	0.100	N/D	0.010	0.005
ACEQUINOCYL	0.100	N/D	0.001	0.001	MALATHION	0.500	N/D	0.005	0.001
ACETAMIPRID	0.100	N/D	0.005	0.001	METALAXYL	2.000	N/D	0.001	0.001
ALDICARB	0.100	N/D	0.005	0.001	METHIOCARB	0.100	N/D	0.005	0.001
AZOXYSTROBIN	0.100	N/D	0.001	0.001	METHOMYL	1.000	N/D	0.001	0.001
BIFENAZATE	0.100	N/D	0.005	0.001	MEVINPHOS	0.100	N/D	0.001	0.001
BIFENTHRIN	3.000	N/D	0.005	0.001	MYCLOBUTANIL	0.100	N/D	0.005	0.001
BOSCALID	0.100	N/D	0.005	0.001	NALED	0.100	N/D	0.005	0.001
CARBARYL	0.500	N/D	0.003	0.001	OXAMYL	0.500	N/D	0.001	0.001
CARBOFURAN	0.100	N/D	0.001	0.001	PACLOBUTRAZOL	0.100	N/D	0.005	0.001
CHLORANTRANILIPROLE	10.000	N/D	0.005	0.005	PERMETHRINS	0.500	N/D	0.005	0.001
CHLORPYRIFOS	0.100	N/D	0.001	0.001	PHOSMET	0.100	N/D	0.005	0.001
CLOFENTEZINE	0.100	N/D	0.001	0.001	PIPERONYL	3.000	N/D	0.001	0.001
DAMINOZIDE	0.100	N/D	0.005	0.001	BUTOXIDE	3.000	N/D	0.001	0.001
DIAZINON	0.100	N/D	0.001	0.001	PRALLETHRIN	0.100	N/D	0.005	0.005
DICHLORVOS	0.100	N/D	0.005	0.001	PROPICONAZOLE	0.100	N/D	0.010	0.005
DIMETHOATE	0.100	N/D	0.001	0.001	PROPOXUR	0.100	N/D	0.001	0.001
DIMETHOMORPH	2.000	N/D	0.005	0.001	PYRETHRINS	0.500	N/D	0.005	0.005
ETHOPROPHOS	0.100	N/D	0.001	0.001	(PYRETHRIN I)	0.500	. 14/D	0.005	0.005
ETOFENPROX	0.100	N/D	0.001	0.001	PYRIDABEN	0.100	N/D	0.005	0.001
ETOXAZOLE	0.100	N/D	0.010	0.005	SPINETORAM	0.100	N/D	0.001	0.001
FENHEXAMID	0.100	N/D	0.005	0.001	SPINOSAD	0.100	N/D	0.001	0.001
FENOXYCARB	0.100	N/D	0.005	0.001	SPIROMESIFEN	0.100	N/D	0.005	0.001
FENPYROXIMATE	0.100	N/D	0.001	0.001	SPIROTETRAMAT	0.100	N/D	0.001	0.001
FIPRONIL	0.100	N/D	0.003	0.001	SPIROXAMINE	0.100	N/D	0.001	0.001
FLONICAMID	0.100	N/D	0.025	0.010	TEBUCONAZOLE	0.100	N/D	0.005	0.001
FLUDIOXONIL	0.100	N/D	0.003	0.001	THIACLOPRID	0.100	N/D	0.001	0.001
HEXYTHIAZOX	0.100	N/D	0.005	0.001	THIAMETHOXAM	5.000	N/D	0.001	0.001
IMAZALIL	0.100	N/D	0.005	0.001	TRIFLOXYSTROBIN	0.100	N/D	0.001	0.001

 ${\rm N/D} = {\rm Not\ Detected},\ {\rm A/LOQ} = {\rm Above\ LOQ\ Level},\ {\rm B/LOQ} = {\rm Below\ LOQ\ Level},\ {\rm B/LOD} = {\rm Below\ LOD\ Level}$ 

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Dr. Andrew Hall, Ph.D., Chief Scientific Officer

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Ben Witten, MS, MT., Lab Director

Green Scientific Labs info@greenscientificlabs.com 1-833 TEST CBD







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Order #: 56748 Order Name: CBD + CBG **Tincture** Batch#: BP01T35 Received: 06/26/2020 Completed: 07/08/2020



**Botanical Processing LLC** marie@botanical-processing.com



#### **RESIDUAL SOLVENTS:**

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405 Prepared: 06/26/2020 17:22:58

Residual Solvent	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
1,1-DICHLOROETHENE	8 напрешения чен положать не пределення в пониря положения проставить положения	N/D	0.63	0.63
1,2- DICHLOROETHANE	2	N/D	0.12	0.02
ACETONE	5,000	N/D	140	20
ACETONITRILE	410	N/D	25	1
BENZENE	1	N/D	1	0.5
BUTANE	5,000	N/D	50	10
CHLOROFORM	1	N/D	1	0.5
CIS 1,2-DICHLOROETHENE	5	N/D	0.73	0.18
ETHANOL	5,000	N/D	140	20
ETHYL ACETATE	5,000	N/D	140	20
ETHYL ETHER	5,000	N/D	140	20
ETHYLENE OXIDE	1	N/D	0	0
ISOPROPYL ALCOHOL	5,000	N/D	140	20
METHANOL	3,000	N/D	100	20
METHYLENE CHLORIDE	125	N/D	0.15	0.15
N-HEPTANE	5,000	N/D	140	20
N-HEXANE	290	N/D	18	10
PENTANE	5,000	N/D	140	20
PROPANE	5,000	N/D	20	1
TOLUENE	890	N/D	53	1
TRANS 1,2-DICHLOROETHENE	5	N/D	0.73	0.18
TRICHLOROETHENE	1	N/D	1	0.5
XYLENES	150	N/D	130	20

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Batch#: BP01T35 Received: 06/26/2020 Completed: 07/08/2020



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#### Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 07/07/2020 17:47:05

PCR - Agilent AriaMX Test	Test Method Used	Device Used	LOD	Allowable Criteria	Actual Result	Pass/Fail		
STEC E.COLI*	USP 61/62†	ARIAMX PCR	2 COPIES OF DNA	PRESENCE / ABSENT	BELOW LOD	PASS		
SALMONELLA*	USP 61/62†	ARIAMX PCR	5 COPIES OF DNA	PRESENCE / ABSENT	BELOW LOD	PASS		
ASPERGILLUS	USP 61/62†	ARIAMX PCR	ASP_LOD***	PRESENCE / ABSENT	BELOW LOD	PASS		
YEAST AND MOLD	USP 61/62†	ARIAMX PCR	363.05518 CFU/G**	1,000	BELOW THRESHOLD	PASS		
TOTAL AEROBIC BACTERIA	USP 61/62†	ARIAMX PCR	0.25316 CFU/G**	10,000	BELOW THRESHOLD	PASS		
COLIFORM	USP 61/62†	ARIAMX PCR	3.41539 CFU/G**	100	BELOW THRESHOLD	PASS		
ENTEROBACTERIACEAE	USP 61/62†	ARIAMX PCR	0.32951 CFU/G**	100	BELOW THRESHOLD	PASS		

<sup>†</sup> USP 61 (enumeration of bacteria TAC, TYM, and ENT/Coliform), USP 62 (identifying specific species E.coli Aspergillus etc)
\* STEC and Salmonella run as Multiplex

\*\* CFU/g Calculation based on Select Category Type Gummy MIP/Extract Flower matrix

\*\*\* Flavus = 2 Copies of DNA / Fumigatis = 2 Copies of DNA Niger = 20 Copies of DNA / Terrus = 10 copies of DNA

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#### Mycotoxin Analysis:

LC-MS - Shimadzu LCMS-8060 GSL SOP 401

Uploaded: 06/30/2020 12:08:58

Analyte	Action LvI (ppb)	Results (ppb)
AFLATOXIN B1	20	WD
AFLATOXIN B2	20	N/D
AFLATOXIN G1	20	N/D
AFLATOXIN G2	20	N/D
OCHRATOXIN A	20	N/D

LOQ is 4ppb, LOD is 1ppb

#### **Heavy Metals Analysis:**

ICP-MS - Shimadzu ICPMS-2030 GSL SOP 403

Uploaded: 07/02/2020 16:24:37

Metal	Action Level (ppb)	Result (ppb)
ARSENIC (AS)	200	B/LOQ
CADMIUM (CD)	200	B/LOQ
MERCURY (HG)	100	B/LOQ
LEAD (PB)	500	B/LOQ

Lower Limit of Quantitation (LOQ) is 75 ppb

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