



K N D L A B S

Crystalline CBD Isolate

Lot: KND

Batch: 365

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Know your CBD Source. Buy Direct from the Manufacturer.

Crystalline CBD Isolate

Sample ID: 2012CSALA4067.0356

Matrix: Concentrates & Extracts

Type: Cannabinoid Isolate

Sample Size: 2 units

Batch Size: 10 grams

Batch#: KND 365

Produced: 12/16/2020

Collected: 12/17/2020

Received: 12/17/2020

Completed: 12/20/2020


Client

KND Labs

Lic. #

5801 W 6th Ave Unit A

Lakewood, CO 80214

	ND	>99.9%	>99.9%
	Total THC	Total CBD	Total Cannabinoids

Cannabinoids

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Results	Results	
	mg/g	mg/g	%	mg/g	
CBD	0.09981	0.60318	>99.9	>999	Pass
CBDV	0.0783	0.60318	0.4145	4.1445	
CBC	0.0635	0.60318	ND	ND	
CBDa	0.02536	0.60318	ND	ND	
CBG	0.08102	0.60318	ND	ND	
CBGa	0.03824	0.60318	ND	ND	
CBN	0.05007	0.60318	ND	ND	
THCa	0.02657	0.60318	ND	ND	
THCV	0.08675	0.60318	ND	ND	
Δ 8-THC	0.02842	0.60318	ND	ND	
Δ 9-THC	0.02876	0.60318	ND	ND	
Total			>99.9	>999	

Date Tested: 12/20/2020

Total THC = THCa * 0.877 + d9-THC

Total CBD = CBDa * 0.877 + CBD

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

If the totals appear >99%, your analytical results show a combined total greater than 100%. Analytically, the results are valid based on compound purity and innate measurement uncertainties.


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 LABORATORY
 Accreditation No. 73653



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 Lab Director
 12/20/2020



 Cecilia Melgar
 COA Review
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Pesticides

Testing method: LCMS & GCMS-SOP 301 and 302

Pass

Analyte	LOD	LOQ	Limit	Results	Status	Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.0001	0.0008	0.1	ND	Pass	Fludioxonil	0.0074	0.0491	0.1	ND	Pass
Acephate	0.0025	0.0491	0.1	ND	Pass	Hexythiazox	0.0012	0.0491	0.1	ND	Pass
Acequinocyl	0.0025	0.0491	0.1	ND	Pass	Imazalil *	0.0098	0.0491	0.0098	ND	Pass
Acetamiprid	0.0025	0.0491	0.1	ND	Pass	Imidacloprid	0.0025	0.0491	5	ND	Pass
Aldicarb *	0.0061	0.0491	0.0061	ND	Pass	Kresoxim Methyl	0.0037	0.0491	0.1	ND	Pass
Azoxystrobin	0.0037	0.0491	0.1	ND	Pass	Malathion	0.0049	0.0491	0.5	ND	Pass
Bifenazate	0.0025	0.0491	0.1	ND	Pass	Metalaxyl	0.0037	0.0491	2	ND	Pass
Bifenthrin	0.0025	0.0491	3	ND	Pass	Methiocarb *	0.0049	0.0491	0.0049	ND	Pass
Boscalid	0.0074	0.0491	0.1	ND	Pass	Methomyl	0.0049	0.0491	1	ND	Pass
Captan	0.0233	0.1963	0.7	ND	Pass	Methyl Parathion *	0.0086	0.0491	0.0086	ND	Pass
Carbaryl	0.0037	0.0491	0.5	ND	Pass	Mevinphos *	0.0025	0.0491	0.0025	ND	Pass
Carbofuran *	0.0037	0.0491	0.0037	ND	Pass	Myclobutanil	0.0061	0.0491	0.1	ND	Pass
Chlorantranilprole	0.0061	0.0491	10	ND	Pass	Naled	0.0098	0.0491	0.1	ND	Pass
Chlordane *	0.0061	0.0491	0.0061	ND	Pass	Oxamyl	0.0037	0.0491	0.5	ND	Pass
Chlorfenapyr *	0.011	0.0491	0.011	ND	Pass	Paclobutrazol *	0.0049	0.0491	0.0049	ND	Pass
Chlorpyrifos *	0.0037	0.0491	0.0037	ND	Pass	Pentachloronitrobenzene	0.0037	0.0491	0.1	ND	Pass
Clofentezine	0.0025	0.0491	0.1	ND	Pass	Permethrin	0.0025	0.0491	0.5	ND	Pass
Coumaphos *	0.0025	0.0491	0.0025	ND	Pass	Phosmet	0.0025	0.0491	0.1	ND	Pass
Cyfluthrin	0.0098	0.0491	2	ND	Pass	Piperonyl Butoxide	0.0012	0.0491	3	ND	Pass
Cypermethrin	0.0061	0.0491	1	ND	Pass	Prallethrin	0.0037	0.0491	0.1	ND	Pass
Daminozide *	0.0025	0.0491	0.0025	ND	Pass	Propiconazole	0.0025	0.0491	0.1	ND	Pass
DDVP *	0.0025	0.0491	0.0025	ND	Pass	Propoxur *	0.0025	0.0491	0.0025	ND	Pass
Diazinon	0.0025	0.0491	0.1	ND	Pass	Pyrethrins	0.0001	0.0008	0.5	ND	Pass
Dimethoate *	0.0025	0.0491	0.0025	ND	Pass	Pyridaben	0.0123	0.0491	0.1	ND	Pass
Dimethomorph	0.0001	0.0008	2	ND	Pass	Spinetoram	0.0	0.0008	0.1	ND	Pass
Ethoprophos *	0.0037	0.0491	0.0037	ND	Pass	Spinosad	0.0	0.0008	0.1	ND	Pass
Etofenprox *	0.0025	0.0491	0.0025	ND	Pass	Spiromesifen	0.0025	0.0491	0.1	ND	Pass
Etoxazole	0.0025	0.0491	0.1	ND	Pass	Spirotetramat	0.0037	0.0491	0.1	ND	Pass
Fenhexamid	0.0025	0.0491	0.1	ND	Pass	Spiroxamine *	0.0012	0.0491	0.0012	ND	Pass
Fenoxycarb *	0.0049	0.0491	0.0049	ND	Pass	Tebuconazole	0.0123	0.0491	0.1	ND	Pass
Fenpyroximate	0.0025	0.0491	0.1	ND	Pass	Thiacloprid *	0.0025	0.0491	0.0025	ND	Pass
Fipronil *	0.0147	0.0491	0.0147	ND	Pass	Thiamethoxam	0.0025	0.0491	5	ND	Pass
Flonicamid	0.0049	0.0491	0.1	ND	Pass	Trifloxystrobin	0.0025	0.0491	0.1	ND	Pass

Date Tested: 12/18/2020

* Denotes Category I pesticides, which fail when detected; LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.


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Microbials

Pass

Testing method: PCR-SOP 401

Analyte	Result	Status
Aspergillus flavus	Not Detected	Pass
Aspergillus fumigatus	Not Detected	Pass
Aspergillus niger	Not Detected	Pass
Aspergillus terreus	Not Detected	Pass
Salmonella	Not Detected	Pass
Shiga toxin-producing E. Coli	Not Detected	Pass

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Heavy Metals

Pass

Testing method: ICPMS-SOP 502

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.0000052579365079365076	0.0000496031746031746	0.2	0.018	Pass
Cadmium	0.0000031746031746031744	0.0000496031746031746	0.2	0.010	Pass
Lead	0.0000096230158730158724	0.0000496031746031746	0.5	0.043	Pass
Mercury	0.00000248015873015873	0.0000496031746031746	0.1	0.042	Pass

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Residual Solvents

Testing method: HSGCMS-SOP 202

Pass

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloroethane	0.2966	0.8899	1	ND	Pass
Acetone	32.1839	107.3786	5000	ND	Pass
Acetonitrile	2.5213	14.8313	410	ND	Pass
Benzene	0.3708	1.1865	1	ND	Pass
Butane	0.3708	14.8313	5000	ND	Pass
Chloroform	0.5933	1.9281	1	ND	Pass
Ethanol	4.0786	14.8313	5000	16	Pass
Ethyl acetate	0.4449	14.8313	5000	ND	Pass
Ethylene Oxide	0.2966	0.964	1	ND	Pass
Ethyl ether	0.4449	14.8313	5000	ND	Pass
Heptane	0.2966	14.8313	5000	56	Pass
Isopropyl alcohol	17.5751	58.5095	5000	ND	Pass
Methanol	61.5499	205.191	3000	ND	Pass
Methylene chloride	0.2225	0.7416	1	ND	Pass
Hexane	0.4449	14.8313	290	ND	Pass
Pentane	0.2966	14.8313	5000	ND	Pass
Propane	12.7549	42.64	5000	ND	Pass
Toluene	0.2966	14.8313	890	<LOQ	Pass
Trichloroethylene	0.3708	1.2607	1	ND	Pass
Total xylenes	0.0	0.0	2170	0.00	Pass

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HEMP GROWER LICENSE

Ryan F. Quarles
Commissioner



Office of Agriculture Marketing
Hemp Licensing Program
111 Corporate Drive
Frankfort, KY 40601
Phone: (502) 573-0282

Kentucky Department of Agriculture
Hemp Licensing Program
Hemp Grower License


License Holder, Signing Authority (if applicable)	GenCanna Global USA, Inc., Christopher Edward Stubbs
License Number	21_0521
Mailing Address	321 Venable Rd. Suite 2 Winchester, KY 40391

DATE OF ISSUANCE	DATE OF EXPIRATION
03/13/2020	This License shall remain in force so long as annual renewal requirements are met, or until terminated by the department or the license holder. Current year's licensed locations are found on page 2.

The terms and conditions of this license are provided in 302 KAR 50, in the Hemp Grower License Application, and subsequent renewal applications. Refer to page 2 of this license for a complete list of licensed growing, handling, and storage locations for this License Holder for this current year.

This Hemp License has been issued under the authority of KRS 260.850 to 260.869. This license is non-transferable. This license does not automatically renew; License Holders must renew the license annually prior to March 15 of each year.

Law enforcement officials or individuals with questions should reference the current list of License Holders on our website at www.kyagr.com/hemp.



Keith L. Rogers, Chief of Staff

03/13/2020

Date





KND LABS

KND CRYSTALLINE CBD ISOLATE

98-100% CBD | 0% THC



Easy to Formulate with Existing Products

Zero Taste, Zero Smell | Extracted Using Industry Leading Methods

No Psychoactive Substances | Third Party Verified | Made In USA



Technical Specifications

Description

KND Crystalline CBD Isolate is extracted through denatured ethyl alcohol extraction. The Industrial Hemp CBD is sourced through United States Growers who have registered locations with their state Department of Agriculture. It is a pure, crystalline powder that contains a minimum of 98% CBD.

General Information

Appearance	Clear or white crystalline powder
Odor	No significant odor
Flavor	No significant flavor
Consistency	Fine-coarse powdered crystal
Solubility	Soluble with oils
Composition	100% Hemp extract by weight
Plant Parts Used in Oil	Stalk, stem, flower, seed
Storage and Shelf Life	18 months from the date of production in original packaging.
Application and Use	Industry specific per customer
Products Used In	Isolated CBD for various topicals and cosmetics
Country of Origin	United States of America

Know your CBD Source. Buy Direct from the Manufacturer.

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1-833-KND-4-CBD



KND LABS

Cannabinoid Content

CBD	> 98%
THC	< 0.01%
CBDA	COA
CBN	COA
CBDV	COA
CBDVA	COA
CBG	COA

Residual Solvents

Pentane	<500 ppm
Acetone	<500 ppm
Isopropyl Alcohol	<500 ppm
Hexane	<25 ppm
Methanol	ND
Heptane	<500 ppm

Elemental Impurities

Arsenic	COA
Cadmium	COA
Lead	COA
Mercury	COA

Storage

Recommended Temp	<76°F (<25°C)
Container	100 Gram HDPE Pail, 1 KG HDPE Bucket, 10 KG HDPE Bucket, 200 KG Steel Drum
Shelf Life	18 months from manufacture

STORE IN A COOL, DRY PLACE AWAY FROM DIRECT SUNLIGHT DO NOT FREEZE

Allergen Statement

Does not contain milk, eggs, peanuts, tree nuts, fish, shellfish, soy, or wheat.

Food and Drug Administration Disclosure

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.

Revision Date: 05/05/2020
Form 03.012.01
KND Labs, LLC | 5801 W 6th Ave Unit A, Lakewood CO 80214 | KNDLABS.com | info@kndlabs.com

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