

Certificate of Analysis

Red Raven CBD

Sample: 07-28-2023-36349W2955

Sample Received:07/28/2023;

Report Created: 08/01/2023; Expires: 07/31/2024

FS CBD

Ingestible soft_chew



0.018%

Total THC

0.018%

 Δ -9 THC

26.813 mg/unit

Total Cannabinoids

25.152 mg/unit

Total CBD

Cannabinoids

(Testing Method: HPLC, CON-P-3000) Date Tested: 07/28/2023

Complete

Analyte	LOD	LOQ	Mass	Mass	Mass	
	mg/unit	mg/unit	mg/unit	mg/g	%	
Δ -8-Tetrahydrocannabinol (Δ -8 THC)	0.322	0.481	ND	ND	ND	
Δ -9-Tetrahydrocannabinol (Δ -9 THC)	0.322	0.481	0.588	0.181	0.018	
Δ-9-Tetrahydrocannabinolic Acid (THCA-A)	0.322	0.481	ND	ND	ND	
Δ -9-Tetrahydrocannabiphorol (Δ -9-THCP)	0.322	0.481	ND	ND	ND	
Δ -9-Tetrahydrocannabivarin (Δ -9-THCV)	0.322	0.481	ND	ND	ND	
Δ-9-Tetrahydrocannabivarinic Acid (Δ-9-THCVA)	0.322	0.481	ND	ND	ND	
R-Δ-10-Tetrahydrocannabinol (R-Δ-10-THC)	0.322	0.481	ND	ND	ND	
S- Δ -10-Tetrahydrocannabinol (S- Δ -10-THC)	0.322	0.481	ND	ND	ND	
9R-Hexahydrocannabinol (9R-HHC)	0.322	0.481	ND	ND	ND	
9S-Hexahydrocannabinol (9S-HHC)	0.322	0.481	ND	ND	ND	
Tetrahydrocannabinol Acetate (THCO)	0.322	0.481	ND	ND	ND	
Cannabidivarin (CBDV)	0.159	0.481	<loq< td=""><td><loq< td=""><td><loq< td=""><td></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
Cannabidivarinic Acid (CBDVA)	0.322	0.481	ND	ND	ND	
Cannabidiol (CBD)	0.322	0.481	25.152	7.739	0.774	
Cannabidiolic Acid (CBDA)	0.322	0.481	ND	ND	ND	
Cannabigerol (CBG)	0.159	0.481	<loq< td=""><td><loq< td=""><td><loq< td=""><td></td></loq<></td></loq<></td></loq<>	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
Cannabigerolic Acid (CBGA)	0.322	0.481	ND	ND	ND	
Cannabinol (CBN)	0.322	0.481	ND	ND	ND	
Cannabinolic Acid (CBNA)	0.322	0.481	ND	ND	ND	
Cannabichromene (CBC)	0.322	0.481	1.073	0.330	0.033	
Cannabichromenic Acid (CBCA)	0.322	0.481	ND	ND	ND	
Total			26.813	8.250	0.825	

Total THC = THCa * 0.877 + Δ9-THC; Total CBD = CBDa * 0.877 + CBD; LOQ = Limit of Quantitation; ND = Not Detected.

Total THC Measurement of Uncertainty: \pm 0.050% Total CBD Measurement of Uncertainty: \pm 2.000% THCO potency analysis does not designate quantitative specificity of Δ -8-THCO and Δ -9-THCO isomers

Unit Size: 3.250 g Unit: 1 Gummy



New Bloom Labs 6121 Heritage Park Drive, A500 Chattanooga, TN 37416 (844) 837-8223 TN DEA#: RN0563975

Laboratory Director

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All analyses were conducted at 6121 Heritage Park Dr, Suite A500 Chattanooga, TN 37416. Results published on this certificate relate only to the items tested. Items are tested as received. New Bloom Labs makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected level of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of New Bloom Labs.



Certificate of Analysis Documents KND Labs Full Spectrum Distillate (Raw)

Product: KND23-640

Contents:	Pages:
1. Testing Data	
a. Cannabinoid Profile	2
b. Heavy Metals Profile	3
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d. Residual Solvents Profile	5
2. Technical Specifications Document	6 - 7

This product is only available to pre-qualified formulators as it is a "work in progress product" and must be brought to Industrial Hemp Farm Bill compliant levels prior to use.



Prepared for:

KND LABS

5801 W 6th Ave Unit A LAKEWOOD, CO USA 80214

KND Labs Full Spectrum Distillate (Raw)

Batch ID or Lot Number:	Test:	Reported:	USDA License:	
KND23-640	Potency	01Jun2023	N/A	
Matrix:	Test ID:	Started:	Sampler ID:	
Concentrate	T000245214	30May2023	N/A	
	Method(s): TM14 (HPLC-DAD): Potency - Full Spectrum Analysis, 0.3% THC	Received: 26May2023	Status: Active	

Cannabinoids	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabichromene (CBC)	0.062	0.208	4.171	41.71
Cannabichromenic Acid (CBCA)	0.057	0.190	ND	ND
Cannabidiol (CBD)	0.172	0.534	83.570	835.70
Cannabidiolic Acid (CBDA)	0.176	0.547	ND	ND
Cannabidivarin (CBDV)	0.041	0.126	0.315	3.15
Cannabidivarinic Acid (CBDVA)	0.073	0.228	ND	ND
Cannabigerol (CBG)	0.035	0.118	ND	ND
Cannabigerolic Acid (CBGA)	0.148	0.494	ND	ND
Cannabinol (CBN)	0.046	0.154	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Cannabinolic Acid (CBNA)	0.101	0.337	ND	ND
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.176	0.589	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.003	0.010	2.405	24.05
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.003	0.009	ND	ND
Tetrahydrocannabivarin (THCV)	0.032	0.107	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.125	0.418	ND	ND
Total Cannabinoids			90.461	904.61
Fotal Potential THC			2.405	24.05
Total Potential CBD			83.570	835.70

Final Approval

PREPARED BY / DATE

Sam Smith 01Jun2023 12:05:00 PM MDT

APPROVED BY / DATE

Karen Winternheimer 01Jun2023 12:12:00 PM MDT



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Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)).

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.











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Prepared for:

KND LABS

5801 W 6th Ave Unit A LAKEWOOD, CO USA 80214

KND Labs Full Spectrum Distillate (Raw)

Batch ID or Lot Number: KND23-640	Test: Heavy Metals	Reported: 01Jun2023	USDA License: NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000245218	01Jun2023	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	26May2023	NA

Dynamic Range (ppm)	Result (ppm)	Notes	
0.05 - 4.64	ND		
0.04 - 4.44	ND		
0.05 - 4.55	ND		
0.04 - 4.26	ND		
	0.05 - 4.64 0.04 - 4.44 0.05 - 4.55	0.05 - 4.64 ND 0.04 - 4.44 ND 0.05 - 4.55 ND	0.05 - 4.64 ND 0.04 - 4.44 ND 0.05 - 4.55 ND

Final Approval

PREPARED BY / DATE



Sam Smith 01Jun2023 01:58:00 PM MDT

APPROVED BY / DATE

01Jun2023 02:04:00 PM MDT

Karen Winternheimer



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ND = None Detected (defined by dynamic range of the method) Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.











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Prepared for:

KND LABS

5801 W 6th Ave Unit A LAKEWOOD, CO USA 80214

KND Labs Full Spectrum Distillate (Raw)

Batch ID or Lot Number:	Test:	Reported:	USDA License:
KND23-640	Residual Solvents	31May2023	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000245219	31May2023	N/A
	Method(s):	Received:	Status:
	TM04 (GC-MS): Residual Solvents	26May2023	Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	97 - 1944	ND	
Butanes (Isobutane, n-Butane)	199 - 3986	ND	
Methanol	59 - 1182	ND	
Pentane	99 - 1990	ND	
Ethanol	102 - 2039	ND	
Acetone	97 - 1947	ND	
Isopropyl Alcohol	100 - 2001	ND	
Hexane	6 - 117	ND	
Ethyl Acetate	98 - 1959	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	100 - 1995	ND	
Toluene	18 - 353	ND	
Xylenes (m,p,o-Xylenes)	130 - 2593	ND	

Final Approval

fachel mis

Rachel Morris 31May2023 08:51:00 AM MDT

Samantha Smoll

APPROVED BY / DATE

Sam Smith 31May2023 09:00:00 AM MDT



PREPARED BY / DATE

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Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.











Cert #4329.02

CDPHE Certified fb9bb6b8f2f84c649c51188e72a174ec.1



Prepared for:

KND LABS

5801 W 6th Ave Unit A LAKEWOOD, CO USA 80214

KND Labs Full Spectrum Distillate (Raw)

Batch ID or Lot Number:	Test:	Reported:	USDA License:	
KND23-640	Pesticides	05Jun2023	NA	
Matrix:	Test ID:	Started:	Sampler ID:	
Concentrate	T000245216	01Jun2023	NA	
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 26May2023	Status: NA	

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	259 - 2844	ND
Acephate	42 - 2785	ND
Acetamiprid	42 - 2735	ND
Azoxystrobin	46 - 2696	ND
Bifenazate	41 - 2719	ND
Boscalid	52 - 2649	56
Carbaryl	41 - 2726	ND
Carbofuran	43 - 2710	ND
Chlorantraniliprole	41 - 2771	ND
Chlorpyrifos	51 - 2721	ND
Clofentezine	291 - 2751	ND
Diazinon	284 - 2724	ND
Dichlorvos	285 - 2789	ND
Dimethoate	44 - 2745	ND
E-Fenpyroximate	282 - 2714	ND
Etofenprox	42 - 2693	ND
Etoxazole	290 - 2686	ND
Fenoxycarb	13 - 2766	ND
Fipronil	28 - 2735	ND
Flonicamid	50 - 2822	ND
Fludioxonil	296 - 2655	ND
Hexythiazox	39 - 2714	ND
Imazalil	301 - 2741	ND
Imidacloprid	42 - 2778	ND
Kresoxim-methyl	52 - 2733	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	290 - 2732	ND
Metalaxyl	44 - 2731	ND
Methiocarb	43 - 2750	ND
Methomyl	42 - 2794	ND
MGK 264 1	180 - 1681	ND
MGK 264 2	114 - 1072	ND
Myclobutanil	41 - 2740	ND
Naled	49 - 2751	ND
Oxamyl	43 - 2776	ND
Paclobutrazol	45 - 2738	ND
Permethrin	262 - 2719	ND
Phosmet	39 - 2688	ND
Prophos	281 - 2732	ND
Propoxur	41 - 2716	ND
Pyridaben	289 - 2686	ND
Spinosad A	34 - 2079	ND
Spinosad D	63 - 656	ND
Spiromesifen	265 - 2700	ND
Spirotetramat	274 - 2738	ND
Spiroxamine 1	19 - 1212	ND
Spiroxamine 2	22 - 1523	ND
Tebuconazole	293 - 2735	ND
Thiacloprid	42 - 2724	ND
Thiamethoxam	40 - 2772	ND
Trifloxystrobin	43 - 2707	ND

Final Approval

PREPARED BY / DATE

Sawantha Smul

Sam Smith 05Jun2023 11:12:00 AM MDT

L Winternheimer

Karen Winternheimer 05Jun2023 11:20:00 AM MDT



APPROVED BY / DATE

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Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.







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Technical Specifications

Product Name: FULL SPECTRUM RAW DISTILLATE

≥ 40% CBD | ≤5.0% THC

The Industry Leader in Certifications & Compliance



















1. Product Data

DESCRIPTION

KND Full Spectrum Raw Distillate goes through a primary extraction from industrial hemp using approved hydrocarbon solvents, denatured ethyl alcohol, or CO₂. It is then refined into a high-potency distillate. The Industrial Hemp Biomass is sourced from US Growers who have registered with their state's respective Department of Agriculture.

INTENDED USE

Industry specific per customer. Unfinished ingredient requiring further processing.

COUNTRY OF ORIGIN

Made in USA from domestic ingredients

INCOMPATIBILITIES

No known incompatibilities

STANDARD PACKAGING

HDPE Food Grade Plastic - Bucket, Canister, Jerrican, F-Style Jug, Drum; Aluminum Screw-top Bottle, Glass Screw-top Bottle, Steel Drum

SHELF LIFE

24 months after packaging

STORAGE & HANDLING

Storage Container: Store in original, tightly closed containers under dry conditions at ambient temperature. Do not freeze. Limit exposure to light.

Temperature: Keep at temperatures between 10°C to 23°C.

Once cannabinoids are exposed to air, they may oxidize and darken in color.

ALLERGEN STATEMENT

Does not contain beef, buckwheat, celery, cereals with gluten, chicken, crustacean shellfish, egg, fish, lupin, mango, milk, molluscan shellfish, mustard, peach, peanut, pork, royal jelly, sesame, soy, tree nuts, tomato, 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.

WARNING STATEMENT

Not recommended for children, pregnant, or nursing women. If taking medication, consult a physician before use. Keep out of the reach of children.

CALIFORNIA PROPOSITION 65

May contain exposures to delta-9- Tetrahydrocannabinol ($\Delta 9$ THC) which is known to the State of California to cause birth defects or other reproductive harm. KND Labs tests for $\Delta 9$ THC and though its presence may not be detected or may be minimal, a warning is required because limitations of exposure are not defined.

2. Specifications - General Information

APPEARANCE

Light to amber gold oil

FLAVOR

Natural terpene flavor, earthy

ODOR

Natural terpene odor, earthy

CONSISTENCY

Distillate oil. May be partially or fully crystallized. Must heat to homogenize prior to mixing

SOLUBILITY

Oil

COMPOSITION

100% Hemp extract by weight

PLANT PARTS USED IN OIL

Stalk, stem, flower



Technical Specifications

Product Name: FULL SPECTRUM RAW DISTILLATE

≥ 40% CBD | ≤ 5.0% THC

3. Composition/Ingredient Information

APPROVED TESTING LABS

The following third party labs have been approved to test KND products based on a track record of quality and regulatory compliance:

- Botanacor dba SC Labs
- DB Labs
- Eurofins

If the listed labs are not used for the finished product, KND recommends that the ingredient is tested at the desired non KND approved lab to calibrate the finished product results.

CANNABINOID CONTENT	%	METHOD(S)
CBD	≥ 40	
THC	≤ 5.0	
CBDA	Reportable	HPLC applications LCMS
CBDV	Reportable	LCUV
CBN	Reportable	
CBG	Reportable	

CANNABIDIOL INFORMATION	
INCI Name	Cannabidiol
CAS-No	13956-29-1
Molecular Weight (g/mol)	314.46
Chemical Formula	C ₂₁ H ₃₀ O ₂

OTHER	LIMIT	METHOD(S)
HEAVY METALS	See Note ¹	ICP-MS; MS-MS
PESTICIDES	See Note ¹	GC applications; HPLC applications ; LCMS applications
MICROBIOLOGICAL	See Note ¹	Microarray ; PCR ; qPCR ; Petrifilm ; VIDAS
RESIDUAL SOLVENTS	See Note ¹	GC applications

NOTE:

¹ Unfinished hemp products are only required to test for potency per 6 CCR 1010-21.7 (F) Colorado Wholesale Food, Industrial Hemp, and Shellfish Regulations. All other contaminants are not required for compliance testing. Additional testing may be arranged. Please contact a KND representative. For more information, visit https://cdphe.colorado.gov/hemp-food.