KNDLABS

Certificate of Analysis Documents
KND Labs CBD Isolate - Powder Form

Lot: CBD26-001

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Certificate of Analysis

Produced: Dec 16, 2025

Sample: CBD Isolate - Powder Form (Concentrate) • **Client**: KND Labs • **Batch**: Pass



Batch No.: CBD26-001
Matrix: Concentrate
Sample ID: ICC-251211-39-004
Collected on: Dec 11, 2025
Received on: Dec 11, 2025
Sample Size: 10 g

Batch Result: Pass

Potency	Tested
Solvents	Pass
Metals	Pass
Microbial	Pass
Pesticides	Pass

Cannabinoid Overview

Total THC:	**0.000 %**
Total CBD:	**99.1 %**
Total Cannabinoids:	**99.5 %**
Sum of Cannabinoids:	**99.5 %**

POT-INST-005, POT-PREP-001: POT-INST-005, POT-PREP-001: Potency • Dec 16, 2025

Analyte	Amt (%)	Amt (mg/g)	LOD/LOQ (mg/g)	Pass/Fail	Analyte	Amt (%)	Amt (mg/g)	LOD/LOQ (mg/g)	Pass/Fail
CBC	ND	ND	0.341/1.02	N/A	**CBT**	ND	ND	0.148/0.516	N/A
CBD	99.1	991	0.104/0.516	N/A	**Δ^8-THC**	ND	ND	0.0834/0.516	N/A
CBDA	ND	ND	0.249/0.747	N/A	**Δ^9-THC**	ND	ND	0.138/0.516	N/A
CBDV	0.410	4.10	0.0826/0.516	N/A	**THCA**	ND	ND	0.189/0.568	N/A
CBG	ND	ND	0.118/0.516	N/A	**THCV**	ND	ND	0.0637/0.516	N/A
CBGA	ND	ND	0.183/0.551	N/A	**Total THC****	ND	ND		N/A
CBL	ND	ND	0.0812/0.516	N/A	**Total CBD****	99.1	991		N/A
CBN	ND	ND	0.118/0.516	N/A	**Total Cannabinoids****	99.5	995		N/A

** Total Cannabinoids = Neutral Cannabinoids + (Acidic Cannabinoids * 0.877)
** Total THC = Delta-10-THC + Delta-8-THC + (Delta-8-THCA x 0.877) + Delta-9-THC + THC-O-acetate + (THCA x 0.877)
** Total CBD = CBD + (CBDA x 0.877)
NR= Not Reported, ND= Not Detected, *Reported by Dry Mass*; *analytical instrumentation used Cannabinoids: UHPLC-DAD, Moisture: Mass by Drying, Water Activity: Water Activity Meter, Foreign: Microscope* *Density tested at a temperature range between 19-24 °C, *Water Activity tested at a humidity range between 0-90% Relative Humidity. All OA samples are sampled by the client, All California State Compliant samples sampled using SAMPL-SOP-001.

https://lims.tagleaf.com/coa_/7Th5JrL7wi

Results Certified By: David Marelius PhD
Lab Director, Infinite Chemical Analysis Labs, CA
Dec 16, 2025

RS-INST-003, RS-PREP-001: RS-INST-003, RS-PREP-001: Residual Solvents by GC-MS • Dec 12, 2025

Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
1,2-Dichloroethane	1	ND	0.169/0.514	Pass
Acetone	5000	ND	17.3/51.8	Pass
Acetonitrile	410	ND	0.121/0.363	Pass
Benzene	1	ND	0.0212/0.0645	Pass
Butane	5000	ND	0.981/4.90	Pass
Chloroform	1	ND	0.0364/0.109	Pass
Ethanol	5000	ND	2.64/7.92	Pass
Ethyl acetate	5000	ND	0.316/2.31	Pass
Ethylene oxide	1	ND	0.155/0.585	Pass
Ethyl ether	5000	ND	1.19/3.58	Pass
Heptane	5000	18.1	0.694/2.89	Pass
Hexane	290	ND	0.0667/0.284	Pass
Isopropyl alcohol	5000	ND	1.29/3.88	Pass
Methanol	3000	ND	3.00/9.01	Pass
Methylene chloride	1	ND	0.128/0.736	Pass
Pentane	5000	ND	0.972/4.31	Pass
Propane	5000	ND	4.48/13.4	Pass
Toluene	890	< LOQ	0.0889/0.873	Pass
Trichloroethylene	1	ND	0.0182/0.146	Pass
o-Xylene		ND	0.102/0.865	N/A
p- and m-Xylene		ND	0.117/1.73	N/A
Total xylenes	2170	ND		Pass

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.

HM-INST-003, HM-PREP-001: HM-INST-003, HM-PREP-001: Heavy Metals Testing by ICP-MS • Dec 12, 2025

Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Arsenic	0.2	ND	0.00300/0.00900	Pass
Cadmium	0.2	ND	0.00100/0.00200	Pass
Lead	0.5	ND	0.00100/0.00400	Pass
Mercury	0.1	ND	0.00500/0.0140	Pass

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.

MICRO-008, MICRO-INST-001, MICRO-PREP-001: MICRO-008, MICRO-INST-001, MICRO-PREP-001: PCR-Microbial (noninhalable) • Dec 12, 2025

Analyte	Limit	Amt	Pass/Fail
Salmonella spp.	Any amt in 1 gram	ND	Pass
Shiga toxin-producing E. coli	Any amt in 1 gram	ND	Pass

Compliance requirements for this test are taken from CA Cannabis/Hemp (Based on Submission Type) regulations.

PEST-GC-INST-003, PEST-GC-PREP-001: PEST-GC-INST-003, PEST-GC-PREP-001: Colorado Pesticides by GC-MS/MS • Dec 16, 2025

Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
α-Endosulfan	0.353	ND	0.118/0.353	Pass
β-Endosulfan	0.239	ND	0.0797/0.239	Pass
Chlorfenapyr	0.0244	ND	0.00814/0.0244	Pass
Cyfluthrin	0.0384	ND	0.0128/0.0384	Pass
Cypermethrin	0.0525	ND	0.0175/0.0525	Pass
Endosulfan sulfate	0.0257	ND	0.00856/0.0257	Pass
Etridiazole	0.0441	ND	0.0147/0.0441	Pass
Fenvalerate	0.402	ND	0.134/0.402	Pass
Iprodione	0.475	ND	0.158/0.475	Pass
Kinoprene	0.221	ND	0.0738/0.221	Pass
Methyl parathion	0.0257	ND	0.00857/0.0257	Pass
MGK-264	Any amt	ND		Pass
MGK-264 I		ND	0.00152/0.00457	N/A
MGK-264 II		ND	0.00392/0.0118	N/A
Quintozene	0.016	ND	0.00533/0.0160	Pass

Compliance requirements for this test are taken from CO Hemp regulations.

Results Certified By: David Marelius PhD
Lab Director, Infinite Chemical Analysis Labs, CA
Dec 16, 2025

PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: Colorado Pesticides by LC-MS/MS • Dec 16, 2025

Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Abamectin	0.1	ND	0.0500/0.100	Pass
Abamectin Ba		ND	0.0330/0.0990	N/A
Acephate	0.03	ND	0.0100/0.0300	Pass
Acequinocyl	0.075	ND	0.0200/0.0750	Pass
Acetamiprid	0.03	ND	0.0100/0.0300	Pass
Aldicarb	0.03	ND	0.0100/0.0300	Pass
Allethrin	0.03	ND	0.0150/0.0300	Pass
Atrazine	0.005	ND	0.00500/0.00500	Pass
Azadirachtin	0.05	ND	0.0300/0.0500	Pass
Azoxystrobin	0.01	ND	0.00500/0.0100	Pass
Benzovindiflupyr	0.005	ND	0.00500/0.00500	Pass
Bifenazate	0.01	ND	0.00500/0.0100	Pass
Bifenthrin	0.03	ND	0.00500/0.0300	Pass
Boscalid	0.01	ND	0.00500/0.0100	Pass
Buprofezin	0.03	ND	0.0150/0.0300	Pass
Carbaryl	0.025	ND	0.0100/0.0250	Pass
Carbofuran	0.01	ND	0.00500/0.0100	Pass
Chlorantraniliprole	0.03	ND	0.0100/0.0300	Pass
Chlorpyrifos	0.075	ND	0.0100/0.0750	Pass
Clofentezine	0.01	ND	0.00500/0.0100	Pass
Clothianidin	0.01	ND	0.00500/0.0100	Pass
Coumaphos	0.01	ND	0.00500/0.0100	Pass
Cyantraniliprole	0.01	ND	0.00500/0.0100	Pass
Cyhalothrin lambda	0.05	ND	0.0300/0.0500	Pass
Cyprodinil	0.01	ND	0.00500/0.0100	Pass
Daminozide	0.075	ND	0.0500/0.0750	Pass
Δmethrin	0.05	ND	0.0250/0.0500	Pass
Diazinon	0.03	ND	0.0100/0.0300	Pass
Dichlorvos	0.05	ND	0.0200/0.0500	Pass
Dimethoate	0.01	ND	0.00500/0.0100	Pass
Dimethomorph	0.03	ND	0.0100/0.0300	Pass
Dinotefuran	0.05	ND	0.0250/0.0500	Pass
Diuron	0.01	ND	0.00500/0.0100	Pass
Dodemorph	0.02	ND	0.0100/0.0200	Pass
Ethoprophos	0.01	ND	0.00500/0.0100	Pass
Etofenprox	0.03	ND	0.0100/0.0300	Pass
Etoxazole	0.03	ND	0.0100/0.0300	Pass
Fenhexamid	0.045	ND	0.0200/0.0450	Pass
Fenoxycarb	0.01	ND	0.00500/0.0100	Pass
Fenpyroximate	0.03	ND	0.0100/0.0300	Pass
Fensulfothion	0.01	ND	0.00500/0.0100	Pass
Fenthion	0.0068	ND	0.00227/0.00680	Pass
Fipronil	0.01	ND	0.00500/0.0100	Pass
Flonicamid	0.025	ND	0.0100/0.0250	Pass
Fludioxonil	0.01	ND	0.00500/0.0100	Pass
Fluopyram	0.005	ND	0.00500/0.00500	Pass
Hexythiazox	0.03	ND	0.0100/0.0300	Pass
Imazalil	0.01	ND	0.00500/0.0100	Pass
Imidacloprid	0.01	ND	0.00500/0.0100	Pass

Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Kresoxim-methyl	0.03	ND	0.0100/0.0300	Pass
Malathion	0.01	ND	0.00500/0.0100	Pass
Metalaxyl	0.01	ND	0.00500/0.0100	Pass
Methiocarb	0.01	ND	0.00500/0.0100	Pass
Methomyl	0.025	ND	0.0100/0.0250	Pass
Methoprene	0.05	ND	0.0250/0.0500	Pass
Mevinphos	0.025	ND	0.0100/0.0250	Pass
Myclobutanil	0.01	ND	0.00500/0.0100	Pass
Naled	0.03	ND	0.0200/0.0300	Pass
Novaluron	0.02	ND	0.0100/0.0200	Pass
Oxamyl	0.03	ND	0.0200/0.0300	Pass
Paclobutrazol	0.01	ND	0.00500/0.0100	Pass
Permethrin	0.03	ND	0.00190/0.0300	Pass
Permethrin cis		ND	0.0200/0.0300	N/A
Permethrin trans		ND	0.0200/0.0300	N/A
Phenothrin	0.03	ND	0.0150/0.0300	Pass
Phosmet	0.03	ND	0.0200/0.0300	Pass
Piperonylbutoxide	0.03	ND	0.0100/0.0300	Pass
Pirimicarb	0.01	ND	0.00500/0.0100	Pass
Prallethrin	0.075	ND	0.0300/0.0750	Pass
Propiconazole	0.03	ND	0.0100/0.0300	Pass
Propoxur	0.01	ND	0.00500/0.0100	Pass
Pyraclostrobin	0.01	ND	0.00500/0.0100	Pass
Pyrethrins	0.03	ND	0.00278/0.0300	Pass
Pyrethrins Pyrethrin I		ND	0.0100/0.0450	N/A
Pyrethrins Pyrethrin II		ND	0.0100/0.0300	N/A
Pyridaben	0.02	ND	0.0100/0.0200	Pass
Pyriproxyfen	0.01	ND	0.00500/0.0100	Pass
Resmethrin	0.05	ND	0.0250/0.0500	Pass
Spinetoram	0.03	ND	0.00119/0.0300	Pass
Spinetoram J		ND	0.00500/0.0100	N/A
Spinetoram L		ND	0.00500/0.0100	N/A
Spinosad	0.03	ND	0.000830/0.0300	Pass
Spinosad A		ND	0.00500/0.0100	N/A
Spinosad D		ND	0.00500/0.0100	N/A
Spirodiclofen	0.05	ND	0.0250/0.0500	Pass
Spiromesifen	0.03	ND	0.0100/0.0300	Pass
Spirotetramat	0.01	ND	0.00500/0.0100	Pass
Spiroxamine	0.03	ND	0.0200/0.0300	Pass
Tebuconazole	0.01	ND	0.00500/0.0100	Pass
Tebufenozide	0.01	ND	0.00500/0.0100	Pass
Teflubenzuron	0.02	ND	0.0100/0.0200	Pass
Tetrachlorvinphos	0.01	ND	0.00500/0.0100	Pass
Tetramethrin	0.05	ND	0.0250/0.0500	Pass
Thiabendazole	0.01	ND	0.00500/0.0100	Pass
Thiacloprid	0.01	ND	0.00500/0.0100	Pass
Thiamethoxam	0.01	ND	0.00500/0.0100	Pass
Thiophanate-methyl	0.02	ND	0.0100/0.0200	Pass
Trifloxystrobin	0.01	ND	0.00500/0.0100	Pass

Compliance requirements for this test are taken from CO Hemp regulations.

https://lims.tagleaf.com/coa_/7Th5JrL7wi

Results Certified By: David Marelius PhD
Lab Director, Infinite Chemical Analysis Labs, CA
Dec 16, 2025

KND LABS

Information in this Document is
Considered Confidential and Proprietary
CBD-I ver. 4
Effective 2/7/2023

Technical Specifications

Product Name: CRYSTALLINE CANNABIDIOL ISOLATE

≥ 98% CBD | ≤ 0.2% THC

The Industry Leader in Certifications & Compliance

EFFCI eGMP FOR COSMETIC INGREDIENTS | GMP CERTIFIED PRACTICE 21 CFR PART 117 HUMAN FOOD | GMP CERTIFIED PRACTICE 21 CFR PART 111 DIETARY SUPPLEMENTS | ISO 9001:2015 CERTIFIED | KOSHER CERTIFIED | USA MADE | PREFERRED SUPPLIER NASC NATIONAL ANIMAL SUPPLEMENT COUNCIL | EIHA EUROPEAN INDUSTRIAL HEMP ASSOCIATION MEMBER | HEMP INDUSTRIES ASSOCIATION

1. Product Data

DESCRIPTION
KND Crystalline Cannabidiol (CBD) Isolate goes through a primary extraction from industrial hemp using approved hydrocarbon solvents, denatured ethyl alcohol, or CO_2. It is then refined into a high-potency isolate. 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, Drum; Aluminum Screw-top Bottle, Metal Tin, 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. Cannabinoid powders are highly hygroscopic and may clump when exposed to humidity, causing a decrease in potency. It is recommended to add desiccants to the product after opening to mitigate moisture absorption.

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 (Δ9 THC) which is known to the State of California to cause birth defects or other reproductive harm. KND Labs tests for Δ9 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
White crystalline powder

FLAVOR
No significant flavor

ODOR
No significant odor

CONSISTENCY
Fine-coarse powdered crystal

SOLUBILITY
Oil

COMPOSITION
100% Hemp extract by weight

PLANT PARTS USED IN OIL
Stalk, stem, flower

Technical Specifications

Product Name: CRYSTALLINE CANNABIDIOL ISOLATE

≥ 98% CBD | ≤ 0.2% 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	≥ 98.0	HPLC applications LCMS LCUV
THC	≤ 0.2	
CBDA	Reportable	
CBDV	Reportable	
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.