



LAURELCREST

Crystalline CBD Isolate

Batch: 376

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Crystalline CBD Isolate

Sample ID: 2103CSALA5009.2562

Matrix: Concentrates & Extracts

Type: Cannabinoid Isolate

Sample Size: 2 units

Batch Size: 12 grams

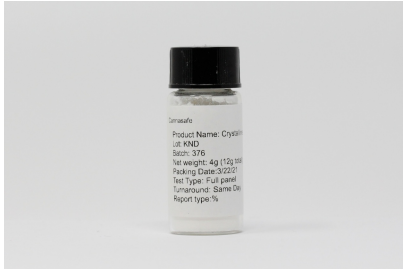
Batch#: 376

Produced: 03/22/2021

Collected: 03/23/2021

Received: 03/23/2021

Completed: 03/23/2021



ND

Total THC

>99.9%

Total CBD

>99.9%

Total Cannabinoids

Cannabinoids

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Results	Results	
	mg/g	mg/g	%	mg/g	
CBD	0.0929	0.9531	>99.9	>999	<div style="text-align: right; font-weight: bold;">Pass</div>
CBDV	0.1906	0.9531	0.5044	5.0440	
CBC	0.0293	0.9531	0.0982	0.9824	
CBDa	0.1271	0.9531	ND	ND	
CBG	0.2444	0.9531	ND	ND	
CBGa	0.1173	0.9531	ND	ND	
CBN	0.0587	0.9531	ND	ND	
THCa	0.0538	0.9531	ND	ND	
THCV	0.1857	0.9531	ND	ND	
Δ8-THC	0.088	0.9531	ND	ND	
Δ9-THC	0.0684	0.9531	ND	ND	

Date Tested: 03/23/2021

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.


 ISO / IEC 17025:2017 ACCREDITED
 LABORATORY
 Accreditation No. 73653

 PJLA
 Testing

 Ini Afia
 Chief Science Officer
 03/23/2021

 Amanda Bravo
 COA Review
 03/23/2021

Crystalline CBD Isolate

Sample ID: 2103CSALA5009.2562

Matrix: Concentrates & Extracts

Type: Cannabinoid Isolate

Sample Size: 2 units

Batch Size: 12 grams

Batch#: 376

Produced: 03/22/2021

Collected: 03/23/2021

Received: 03/23/2021

Completed: 03/23/2021

Pesticides

Pass

Testing method: LCMS & GCMS-SOP 301 and 302

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	0.0124	0.0743	0.1	ND	Pass	Fludioxonil	0.0074	0.0965	0.1	ND	Pass
Acephate	0.0025	0.0965	0.1	ND	Pass	Hexythiazox	0.0012	0.0965	0.1	ND	Pass
Acequinocyl	0.0025	0.0965	0.1	ND	Pass	Imazalil *	0.0099	0.0965	0.0099	ND	Pass
Acetamiprid	0.0025	0.0965	0.1	ND	Pass	Imidacloprid	0.0025	0.0965	5	ND	Pass
Aldicarb *	0.0062	0.0965	0.0062	ND	Pass	Kresoxim Methyl	0.0037	0.0965	0.1	ND	Pass
Azoxystrobin	0.0037	0.0965	0.1	ND	Pass	Malathion	0.005	0.0965	0.5	ND	Pass
Bifenazate	0.0025	0.0965	0.1	ND	Pass	Metalaxyl	0.0037	0.0965	2	ND	Pass
Bifenthrin	0.0074	0.0965	3	ND	Pass	Methiocarb *	0.005	0.0965	0.005	ND	Pass
Boscalid	0.0074	0.0965	0.1	ND	Pass	Methomyl	0.005	0.0965	1	ND	Pass
Captan	0.0235	0.3868	0.7	ND	Pass	Methyl Parathion *	0.0087	0.0483	0.0087	ND	Pass
Carbaryl	0.0037	0.0965	0.5	ND	Pass	Mevinphos *	0.0025	0.0965	0.0025	ND	Pass
Carbofuran *	0.0037	0.0965	0.0037	ND	Pass	Myclobutanil	0.0062	0.0965	0.1	ND	Pass
Chlorantranilprole	0.0062	0.0965	10	ND	Pass	Naled	0.0099	0.0965	0.1	ND	Pass
Chlordane *	0.0062	0.0483	0.0062	ND	Pass	Oxamyl	0.0037	0.0965	0.5	ND	Pass
Chlorfenapyr *	0.0111	0.0483	0.0111	ND	Pass	Paclobutrazol *	0.005	0.0965	0.005	ND	Pass
Chlorpyrifos *	0.0037	0.0965	0.0037	ND	Pass	Pentachloronitrobenzene	0.0037	0.0483	0.1	ND	Pass
Clofentezine	0.005	0.0965	0.1	ND	Pass	Permethrin	0.0025	0.0965	0.5	ND	Pass
Coumaphos *	0.0025	0.0965	0.0025	ND	Pass	Phosmet	0.0025	0.0965	0.1	ND	Pass
Cyfluthrin	0.0099	0.0965	2	ND	Pass	Piperonyl Butoxide	0.0012	0.0965	3	ND	Pass
Cypermethrin	0.0062	0.0965	1	ND	Pass	Prallethrin	0.0037	0.0965	0.1	ND	Pass
Daminozide *	0.0099	0.0965	0.0099	ND	Pass	Propiconazole	0.0025	0.0965	0.1	ND	Pass
DDVP *	0.0025	0.0965	0.0025	ND	Pass	Propoxur *	0.0025	0.0965	0.0025	ND	Pass
Diazinon	0.0025	0.0965	0.1	ND	Pass	Pyrethrins	0.0074	0.0829	0.5	ND	Pass
Dimethoate *	0.0025	0.0965	0.0025	ND	Pass	Pyridaben	0.0124	0.0965	0.1	ND	Pass
Dimethomorph	0.0074	0.0965	2	ND	Pass	Spinetoram	0.0037	0.0965	0.1	ND	Pass
Ethoprophos *	0.0037	0.0965	0.0037	ND	Pass	Spinosad	0.005	0.0978	0.1	ND	Pass
Etofenprox *	0.0025	0.0965	0.0025	ND	Pass	Spiromesifen	0.0025	0.0965	0.1	ND	Pass
Etoxazole	0.0025	0.0965	0.1	ND	Pass	Spirotetramat	0.0037	0.0965	0.1	ND	Pass
Fenhexamid	0.0025	0.0965	0.1	ND	Pass	Spiroxamine *	0.0012	0.0965	0.0012	ND	Pass
Fenoxycarb *	0.005	0.0965	0.005	ND	Pass	Tebuconazole	0.0124	0.0965	0.1	ND	Pass
Fenpyroximate	0.0025	0.0965	0.1	ND	Pass	Thiacloprid *	0.0025	0.0965	0.0025	ND	Pass
Fipronil *	0.0149	0.0965	0.0149	ND	Pass	Thiamethoxam	0.0025	0.0965	5	ND	Pass
Flonicamid	0.005	0.0965	0.1	ND	Pass	Trifloxystrobin	0.0025	0.0965	0.1	ND	Pass

Date Tested: 03/20/2021

Total THC = THCa * 0.877 + d9-THC

Total CBD = CBDA * 0.877 + CBD

* 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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 PJA
 Testing

 Ini Afia
 Chief Science Officer
 03/23/2021

 Amanda Bravo
 COA Review
 03/23/2021

Crystalline CBD Isolate

Sample ID: 2103CSALA5009.2562

Matrix: Concentrates & Extracts

Type: Cannabinoid Isolate

Sample Size: 2 units

Batch Size: 12 grams

Batch#: 376

Produced: 03/22/2021

Collected: 03/23/2021

Received: 03/23/2021

Completed: 03/23/2021

Heavy Metals

Pass

Testing method: ICPMS-SOP 502

Analyte	LOD	LOQ	Limit	Results	Status
Arsenic	µg/g 0.005	µg/g 0.0495	µg/g 0.2	µg/g <LOQ	Pass
Cadmium	0.003	0.0495	0.2	<LOQ	Pass
Lead	0.0099	0.0495	0.5	<LOQ	Pass
Mercury	0.002	0.0495	0.1	<LOQ	Pass

Date Tested: 03/23/2021

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.

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Accreditation No. 73653Ini Afia
Chief Science Officer
03/23/2021Amanda Bravo
COA Review
03/23/2021

Crystalline CBD Isolate

Sample ID: 2103CSALA5010.2564

Matrix: Concentrates & Extracts

Type: Cannabinoid Isolate

Sample Size: 1 units

Batch Size:

Batch#: 376

Produced: 03/23/2021

Collected: 03/23/2021

Received: 03/23/2021

Completed: 03/24/2021

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

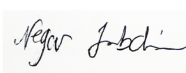
Date Tested: 03/24/2021

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.


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 Neya Jourabchian
 Laboratory Director
 03/24/2021



 Mikaela Gutierrez
 COA Review
 03/24/2021

Crystalline CBD Isolate

Sample ID: 2103CSALA5009.2562

Matrix: Concentrates & Extracts

Type: Cannabinoid Isolate

Sample Size: 2 units

Batch Size: 12 grams

Batch#: 376

Produced: 03/22/2021

Collected: 03/23/2021

Received: 03/23/2021

Completed: 03/23/2021

Residual Solvents

Pass

Testing method: HSGCMS-SOP 202

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloroethane	0.1574	0.9835	1	ND	Pass
Acetone	250.0	500.0	5000	ND	Pass
Acetonitrile	20.5	41.0	410	ND	Pass
Benzene	0.1967	0.9835	1	ND	Pass
Butane	250.0	500.0	5000	ND	Pass
Chloroform	0.3147	0.9835	1	ND	Pass
Ethanol	250.0	500.0	5000	ND	Pass
Ethyl acetate	250.0	500.0	5000	ND	Pass
Ethylene Oxide	0.1574	0.9835	1	ND	Pass
Ethyl ether	250.0	500.0	5000	ND	Pass
Heptane	250.0	500.0	5000	ND	Pass
Isopropyl alcohol	250.0	500.0	5000	ND	Pass
Methanol	150.0	300.0	3000	ND	Pass
Methylene chloride	0.118	0.9835	1	ND	Pass
Hexane	20.0	29.0	290	<LOQ	Pass
Pentane	250.0	500.0	5000	ND	Pass
Propane	2500.0	500.0	5000	ND	Pass
Toluene	44.5	89.0	890	ND	Pass
Trichloroethylene	0.1967	0.9835	1	ND	Pass
Total xylenes	108.5	217.0	2170	ND	Pass

Date Tested: 03/23/2021

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.


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 Ini Afia
 Chief Science Officer
 03/23/2021



 Amanda Bravo
 COA Review
 03/23/2021



CRYSTALLINE CANNABIDIOL (CBD) ISOLATE

98-100% CBD | < 0.1% 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

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
Application and Use	Industry specific per customer
Country of Origin	United States of America



LAURELCREST

Cannabinoid Content

CBD	≥ 98%
THC	< 0.1%
CBDA	COA
CBDV	COA
CBN	0%
CBG	0%

Cannabidiol Information

CAS-No	13956-29-1
Molecular Weight	314.5 g/mol
Melting Point ° F:	143.6 – 145.4
Melting Point ° C:	62 - 63
Boiling Point ° C:	160-180

Residual Solvents

Pentane	< 500 ppm
Acetone	< 500 ppm
Isopropyl Alcohol	< 500 ppm
Hexane	< 29 ppm
Methanol	< 300 ppm
Heptane	< 500 ppm
Toluene	< 89 ppm

Elemental Impurities

Arsenic	< 200 ppb
Cadmium	< 200 ppb
Lead	< 500 ppb
Mercury	< 200 ppb

Microbial Contaminants ND

Pesticides ND

Storage

Recommended Temp	<76°F (<25°C)
Container	Food grade screw top buckets or aluminum bottle with tamper evident cap
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.