

Certificate ID: **36752**

 Received: **7/20/18**

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 for authenticity

**F and B Cosmetics**

 Client Sample ID: **CBD Isolate 07172018**
**133 Charter Place**

 Lot Number: **305**
**LaVergne, TN 37086**

 Matrix: **Concentrates/Extracts - Isolate**

 Attn: **Jessica Johnson**

Authorization: Chris Hudalla, Chief Science Officer	Signature: 	Date: 8/1/2018
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The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2005. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**CN: Cannabinoid Profile & Potency [WI-10-04]**

 Analyst: *LG*

 Test Date: *7/31/2018*

The client sample was analyzed for plant-based cannabinoids by Convergence Chromatography (CC). The collected data was compared to data collected for certified reference standards at known concentrations.

**36752-CN**

ID	Weight %	Conc.			
$\Delta^9$ -THC	ND	ND			
THCV	ND	ND			
CBD	99.30 wt %	993.00 mg/g			
CBDV	0.34 wt %	3.41 mg/g			
CBG	ND	ND			
CBC	0.02 wt %	0.23 mg/g			
CBN	ND	ND			
THCA	ND	ND			
CBDA	ND	ND			
CBGA	ND	ND			
<b>Total</b>	<b>99.66 wt%</b>	<b>996.64 mg/g</b>	<b>0%</b>	<b>Cannabinoids (wt%)</b>	<b>99.3%</b>
Max THC	-	-			
Max CBD	99.30 wt%	993.00 mg/g			

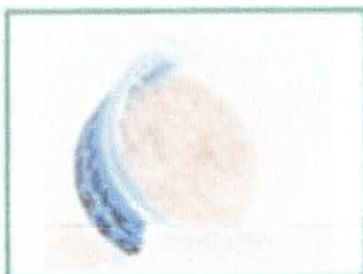
Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. ND = None detected above the limits of detection (LLD)

# 1g Isolate

Sample ID: 1902CER0067.0269  
Strain: 1g Isolate  
Matrix: Concentrates & Extracts  
Type: Cannabinoid Isolate  
Sample Size: 1 g; Batch: 0g

Produced:  
Collected:  
Received: 02/05/2019  
Completed: 02/05/2019  
Batch#: B1192501

Client  
Sidnak Solutions, Inc.



<b>ND</b>	<b>99.960%</b>	<b>99.960%</b>
Total THC	Total CBD	Total Cannabinoids

Summary	
Batch	Complete
Cannabinoids	Complete
Moisture	NT - Not Tested
Terpenes	Not Tested
Residual Solvents	Not Tested
Microbials	Not Tested
Pesticides	Not Tested
Foreign Matter	Not Tested

## Cannabinoids

Complete

Analyte	LOQ	LOD	Mass	Mass
	%	%	%	mg/g
THCa	0.050	0.010	ND	ND
Δ9-THC	0.050	0.010	ND	ND
Δ8-THC	0.050	0.010	ND	ND
THCV	0.050	0.010	ND	ND
CBDa	0.050	0.010	ND	ND
CBD	0.050	0.010	99.960	999.60
CBN	0.050	0.010	ND	ND
CBGa	0.050	0.010	ND	ND
CBG	0.050	0.010	ND	ND
CBC	0.050	0.010	ND	ND
<b>Total</b>			<b>99.960</b>	<b>999.60</b>

Total THC = THCa \* 0.877 + Δ9-THC

Total CBD = CBDa \* 0.877 + CBD

LOQ = Limit of Quantitation; The reported flower/trim results are based on a sample dry-weight as required by California Code of Regulations Title 16 Division 42 section 5724; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

## Terpenes

Not Tested

Analyte	LOQ	Mass	Mass
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LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.



Lia Prevedello, Ph.D.  
Laboratory Director  
02/05/2019

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www.confidentcannabis.com



This product has been tested by Certus Analytics using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Certus Analytics makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Certus Analytics.



# Certificate of Analysis

100PCTPURE, LLC

2916 Foster Creighton DR. Nashville, TN 37204

Tel: (615) 838-8935

Product: **CBD Isolate Crystal**

Lot Number: 2019C100PC26 .....

Mfg Date: 4-5-2019.....

Exp Date: 12-01-2021 .....

Net WT: 3 kg .....

Description: CBD Isolate Crystal THC Free

Country of Origin : USA

100PCTPURE, LLC Manufacturer of the product  
Container with lot and manufacturing date as  
mentioned above, certifies that the lot meets minimum label claims

I.D.	Weight %
D9-THC	ND
THCV	ND
CBD	99.67%
CBDV	0.05%
CBG	ND
CBC	ND
CBN	ND
THCA	ND
CBDA	ND
CBGA	ND
Total Terpenes	LT 0.1%

Weight variation ±2%

Microbiological Test	Range	Result	Method
Total Plate Count, SPC test	0 to 1000 cfu/g	LT10	GB 4789.2
Coliform-	0 to 10 cfu/g	LT10	GB 4789.3 plate count method

E. Coli	negative	Negative	
Salmonella	negative	Negative	GB 4789.40 plate count method
Staphylococcus aureus	0 to 10 cfu/g	Negative	GB 4789.10 plate count method
Yeast -	0 to 50 cfu/g	Negative	
Mold	0 to 50 cfu/g	Negative	

Test	Specification	Method	Result
Appearance	Dry Powder	Compare to standard	Passes to specifications
Color	White to Off White	Compare to standard	Passes to specifications
Odor	Neutral	Compare to standard	Passes to specifications
Bulk Density	Adequate space	Compare to standard	Passes to specifications

Approved by:



Blake Taylor

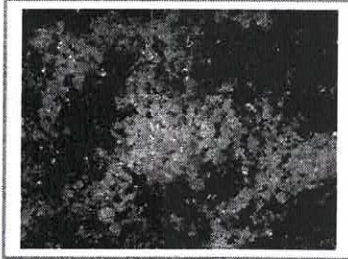
4/9/2019

# CBD Isolate

Sample ID: 1901NAS0001.0001  
Strain: CBD Isolate  
Matrix: Concentrates & Extracts  
Type: Crystalline Solid  
Sample Size: 0 g; Batch: 1 units

Produced:  
Collected: 01/01/2019  
Received:  
Completed: 01/01/2019  
Batch#: 122018-0045

Client:  
**Elemental Processing, LLC**  
Lic. # 17-69-01P  
2120 Capstone Dr.  
Lexington, KY 40511



<b>ND</b>	<b>99.163%</b>	<b>99.163%</b>
Total THC	Total CBD	Total Cannabinoids

**Summary**  
Batch Cannabinoids Complete Complete

## Cannabinoids

Complete	Analyte	LOQ	LOD	Mass	Mass
		mg/g	mg/g	%	mg/g
	THCa	0.20	0.10	ND	ND
	Δ9-THC	0.30	0.10	ND	ND
	Δ8-THC	0.40	0.10	ND	ND
	THCV	0.20	0.10	ND	ND
	CBDa	0.20	0.10	ND	ND
	CBD	0.30	0.10	99.163	991.63
	CBDVa	0.30	0.10	ND	ND
	CBDV	0.10	0.10	ND	ND
	CBN	0.10	0.10	ND	ND
	CBGa	0.30	0.10	ND	ND
	CBG	0.30	0.10	ND	ND
	CBC	0.20	0.10	ND	ND
	<b>Total</b>			<b>99.163</b>	<b>991.63</b>

Date Tested: 01/01/2019

Total THC = THCa \* 0.877 + d9-THC

Total CBD = CBDa \* 0.877 + CBD

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. Sample Prep Method: SP-200. Analysis Method: AM-300.


## Terpenes

Not Tested

Analyte	LOD	LOQ	Mass	Mass	Analyte	LOD	LOQ	Mass	Mass
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Date Tested:



  
 Leah Shaffer, PhD  
 Lab Director  
 01/01/2019

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Foreign Matter Sample Prep Method: SP-201. Foreign Matter Analysis Method: AM-301. Moisture and Water Activity Sample Prep Method: SP-204. Moisture and Water Activity Analysis Method: AM-304. This product has been tested by NASCENT, LLC using valid testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. NASCENT, LLC makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of NASCENT, LLC.



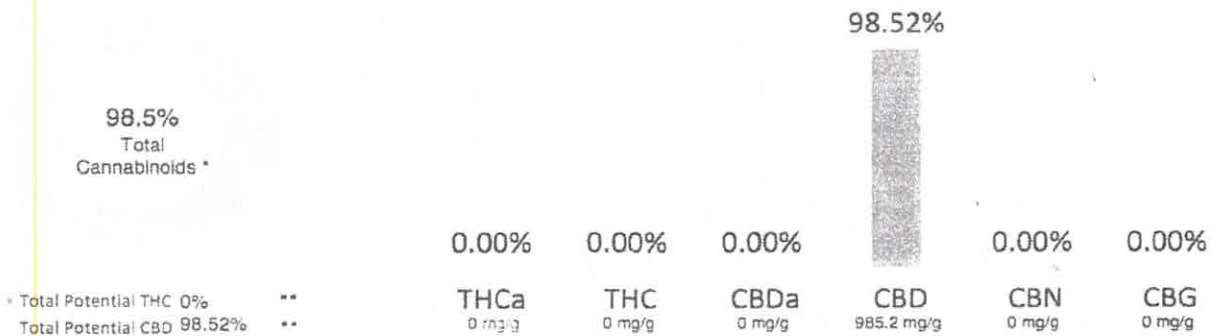
# CERTIFICATE OF ANALYSIS

prepared for: MILE HIGH LABS  
697 N Denver Ave Ste 132  
Loveland, CO 80537

## 319GC CBD Isolate

Batch ID: N/A  
Reported: 7-Aug-2018  
Type: Concentrate  
Test: Potency

### CANNABINOID PROFILE



\* Total Cannabinoids result refers to the absolute sum of all cannabinoids detected.  
 \*\* Total Potential THC/CBD is calculated using the following formula to take into account the loss of a carboxyl group during decarboxylation step:  
 Total THC = THCa + (THCa \* 0.877) and Total CBD = CBDa + (CBDa \* 0.877)  
 \*\*\* Sample Weight: Weight of Analyte / Weight of Product

NOTES:  
Free from visual mold, mildew, and foreign matter

### FINAL APPROVAL

*K. Winterheimer*  
 Karen Winterheimer  
 7-Aug-2018  
 4:06 PM  
 PREPARED BY / DATE

*Chris Junling*  
 Chris Junling  
 7-Aug-2018  
 4:19 PM  
 APPROVED BY / DATE

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