

CERTIFICATE OF ANALYSIS

Order Type: Medical Cannabis
Order ID: OR2019-1225

Customer ID: 32
Customer Name: CBD Plus USA

Harvest/Extract Lot: None
Harvest/Extract Batch: None

Cultivar (Strain): 125mg CBD
 peppermint vape pen "select"

Lab ID: SA2019-4353

Sample Matrix: Concentrate

Sample Date: 04/23/2019

Date Received: 04/23/2019

Date Completed: 04/29/2019

Remarks:

CANNABINOID (POTENCY) PROFILE

Analysis Date/Time: 04/26/2019 2015

Method: HPLC/DAD (Internal Method-001)

Moisture Content (%): -

Analyst: OL

Instrument: Agilent 1100

Water Activity (aw): -

Cannabinoid	Result (%)	Result (mg/g)	Reporting Limit (mg/g)	Per Unit (mg)
CBD	47.4	474	1.02	119
CBDa	-	-	1.02	-
CBDv	-	-	1.02	-
Δ9-THC	-	-	1.02	-
Δ8-THC	-	-	1.02	-
THCa	-	-	1.02	-
THCv	-	-	1.02	-
CBC	-	-	1.02	-
CBG	-	-	1.02	-
CBGa	-	-	1.02	-
CBN	-	-	1.02	-



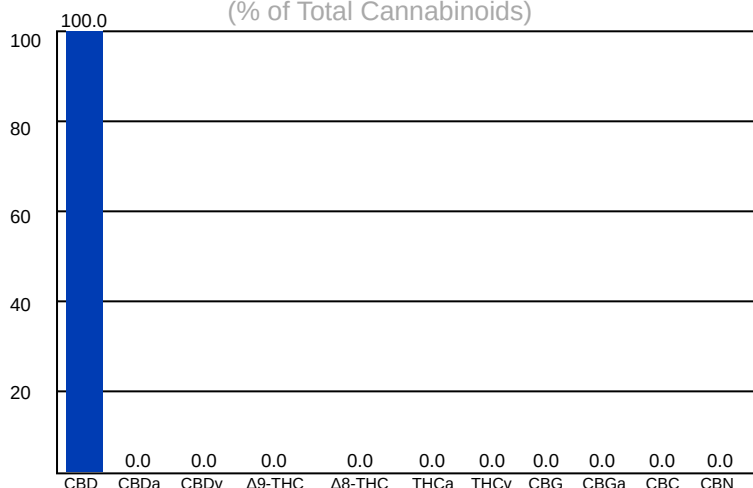
TOTAL	47.4	474		119
TOTAL THC	-	-		-
TOTAL CBD	47.4	474		119

UNIT MASS (g): 0.25

"-" Not detected above RL.

Cannabinoid Distribution

(% of Total Cannabinoids)



Deviations from standard operating procedure: None

Recoveries for all analyte standards: 90-110%

Replicate Uncertainties: <5% RSD, <20% RPD

Sample/Reagent Blanks: <RL for all analytes

Values for plant matter are adjusted for moisture content.

Total THC = (THCa x 0.877) + Δ9-THC

Total CBD = (CBDa x 0.877) + CBD

Percentage results are reported by mass.
 mg/g results are reported as mass component per mass material.

Abbreviations: UV - Ultraviolet, HPLC - High Pressure Liquid Chromatography, RL - Reporting Limit, RPD - Relative Percent Difference, RSD - Relative Standard Deviation

This information is provided as a service and makes no claims of efficacy and/or safety of this product. Results are applicable only for the sample(s) analyzed and for the specific analysis conducted. This report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms.

The statements and results herein have not been approved and/or endorsed by the FDA.

REPORT OF LABORATORY ANALYSIS

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 Felling Analytical Services and Technology (F.A.S.T.), LLC

Kyle W. Felling
 Kyle W. Felling, Ph.D.
 Laboratory Director

www.FASTLaboratories.com

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Remarks:

TERPENOID PROFILE

Analysis Date/Time: 04/26/2019 2015
Analyst: OL

Method: HS/GC/FID (Internal Method-002)
Instrument: Agilent 6890

Deviations from SOP:
None

<u>Terpene</u>	<u>Result</u> <u>(µg/g)</u>	<u>Result</u> <u>(%)</u>	
α-Bisabolol	-	-	
Camphene	-	-	
δ-3-Carene	-	-	
β-Caryophyllene	115	0.0115	
Caryophyllene oxide	-	-	
p-Cymene	-	-	
Eucalyptol	1044	0.104	
Geraniol	125	0.0125	
Guaiol	-	-	
α-Humulene	-	-	
Isopulegol	237	0.0237	
d-Limonene	196	0.0196	
Linalool	-	-	
β-Mycene	-	-	
cis-Nerolidol	-	-	
trans-Nerolidol	-	-	
α-Ocimene	-	-	
β-Ocimene	-	-	
α-Pinene	-	-	
β-Pinene	-	-	
α-Terpinene	-	-	
γ-Terpinene	-	-	
Terpinolene	-	-	
TOTAL	1717	0.172	



Abbreviations: HS - Headspace, GC - Gas Chromatography, MS - Mass Spectrometry, RL - Reporting Limit

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Reporting Limit (µg/g): 38.6

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