F.A.S.T. LABORATORIES/RESEARCH

Arkansas Location
232 S Broadview St
Greenbrier, AR 72058
(501) 679-2616

Oklahoma City Location
3680 E I-240 Service Rd
Oklahoma City, OK 73135
(405) 595-0344

Tulsa Location
14720 E Admiral Pl, Ste H
Tulsa, OK 74108
(918) 340-7139

CERTIFICATE OF ANALYSIS

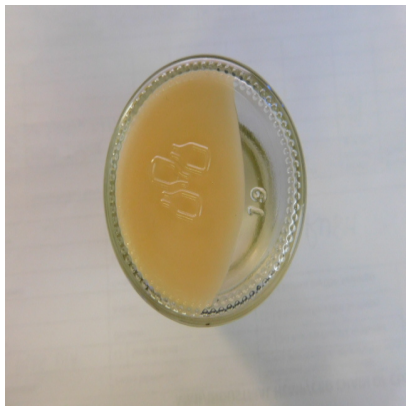
Order Type: CBD
Order ID: OR2019-4966
Customer ID: 32
Customer Name: CBD Plus USA
Harvest/Extract Lot: None
Harvest/Extract Batch: None

Cultivar (Strain): Full Spectrum Hot Cream
Sample Date: 10/29/2019
Lab ID: SA2019-15765
Date Received: 10/29/2019
Remarks:
Sample Matrix: Lotion/Salve
Date Completed: 11/04/2019

CANNABINOID (POTENCY) PROFILE

Analysis Date/Time: 10/30/2019 1811
Analyst: OL
Method: 2019-10-18T20:36:50Z
Instrument: Agilent 1100
Moisture Content (%): -
Water Activity (aw): -

Cannabinoid	Result (%)	Result (mg/g)	Reporting Limit (mg/g)	Result (mg/mL)	Per Unit (mg)
CBD	2.18	21.8	0.0252	-	22
CBDa	0.0125	0.125	0.0252	-	0.125
CBDv	-	-	0.0252	-	-
Δ9-THC	0.339	3.39	0.0252	-	3
Δ8-THC	-	-	0.0252	-	-
THCa	-	-	0.0252	-	-
THCv	-	-	0.0252	-	-
CBC	-	-	0.0252	-	-
CBG	0.183	1.83	0.0252	-	1.83
CBGa	-	-	0.0252	-	-
CBN	-	-	0.0252	-	-
TOTAL	2.72	27		-	27
TOTAL THC	0.339	3.39		-	3
TOTAL CBD	2.19	22		-	22

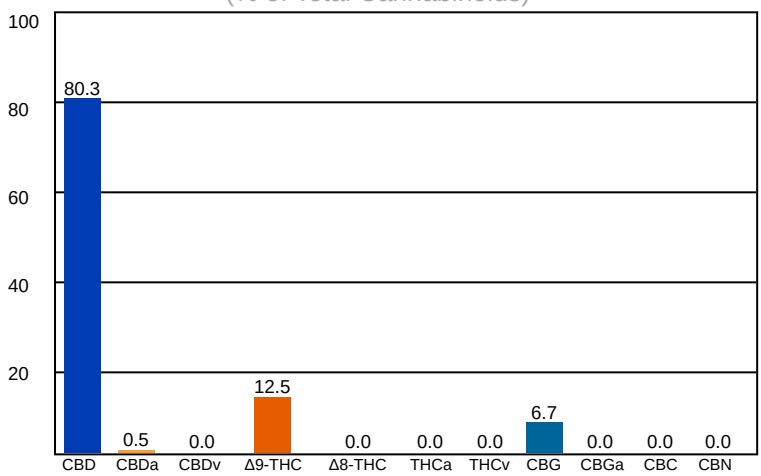


UNIT MASS (g): 1

"-" 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.

Kyle W. Felling, Ph.D.
Laboratory Director

REPORT OF LABORATORY ANALYSIS

www.FASTLaboratories.com

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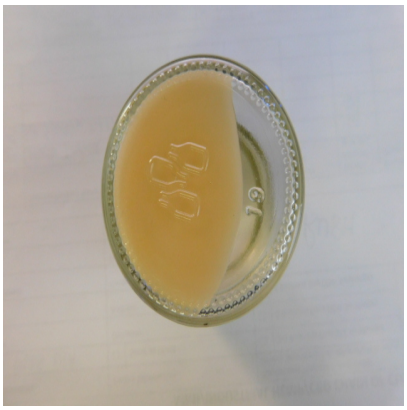
Remarks:

TERPENOID PROFILE

Analysis Date/Time: 10/30/2019 1811
Analyst: OL
Method: HS/GC/FID (Internal Method-002)
Instrument: Agilent 6890
Deviations from SOP: None

Terpene	Result (µg/g)	Result (%)
α-Bisabolol	970	0.097
Camphene	-	-
δ-3-Carene	-	-
β-Caryophyllene	171	0.0171
Caryophyllene oxide	-	-
p-Cymene	-	-
Eucalyptol	2356	0.236
Geraniol	-	-
Guaiol	172	0.0172
α-Humulene	-	-
Isopulegol	-	-
d-Limonene	933	0.0933
Linalool	371	0.0371
β-Myrcene	364	0.0364
cis-Nerolidol	-	-
trans-Nerolidol	-	-
α-Ocimene	-	-
β-Ocimene	-	-
α-Pinene	640	0.064
β-Pinene	211	0.0211
α-Terpinene	-	-
γ-Terpinene	379	0.0379
Terpinolene	-	-
TOTAL	6567	0.657



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

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Reporting Limit (µg/g): 1

Kyle W. Felling, Ph.D.
Laboratory Director