

Comprehensive Analysis Report

Sample Overview

Client: Boojum Med, LLC

Date Received: 02/27/2024

Sample Name: Eugenol MCT Drops

APRC #: BG240228B

Sample Matrix: Tincture

Sample Lot: PR.240226

Assay	Disposition	Date Tested
Cannabinoid Testing (Potency)	Tested	02-28-2024
Microbial: Quantitative and Pathogen Detection Combo	Tested	02-28-2024
Terpene Quantitation	Tested	03-05-2024



Accreditation #115229

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Instrument Analysis Report

Potency

Method: SOP 1-2026.03

Sample Name: Eugenol MCT Drops

APRC Lot Number: BG240228B

Cannabinoid	RT	Total %	Total mg/g
Cannabidivarinic Acid (CBDVA)	ND	ND	ND
Cannabidivarin (CBDV)	ND	ND	ND
Cannabidiolic Acid (CBDA)	ND	ND	ND
Cannabigerolic Acid (CBGA)	ND	ND	ND
Cannabinol (CBN)	4.72	0.04	0.38
Cannabidiol (CBD)	3.23	0.01	0.15
Cannabigerol (CBG)	3.07	0.11	1.12
Tetrahydrocannabivarin (THCV)	3.51	0.04	0.40
Tetrahydrocannabivarin Acid (THCVA)	ND	ND	ND
Delta-9-Tetrahydrocannabinol (Δ 9-THC)	5.94	4.24	42.42
Delta-8-Tetrahydrocannabinol (Δ 8-THC)	ND	ND	ND
Tetrahydrocannabinolic acid (THCA-A)	ND	ND	ND
Cannabichromene (CBC)	7.41	0.07	0.68
Cannabichromene Acid (CBCA)	ND	ND	ND
Δ 10 and Δ 6a,10a-Tetrahydrocannabinol	ND	ND	ND

Performed by: Sujan Timsina

Reviewed by: Tesa Crook

	%	mg/g
Total Cannabinoids	4.52	45.15
Total THC ^t	4.24	42.42
Total CBD ^s	0.01	0.15

^tTotal Thc is calculated by Δ 9-THC + (THCA-A*0.877)

^sTotal CBD is calculated by CBD + (CBDA*0.877)

LOD > 0.005% by mass, LOQ > 0.01% by mass

Instrument Analysis Report

Microbial Impurities

Method: SOP 1-2034.01 and 1-2035.01 Sample Name: Eugenol MCT Drops APRC Lot Number: BG240228B

Total Counts			
Microbial Group:	Result (CFU/g):	Specification:	Disposition:
Total Aerobic Bacteria	<10	≤10,000	Pass
Total Yeast and Mold	<10	≤1,000	Pass

Specific Organism Identification			
Microbial Organism:	Result:	Specification:	Disposition:
Aspergillus flavus	NT	Not Tested	Not Tested
Aspergillus fumigatus	NT	Not Tested	Not Tested
Aspergillus niger	NT	Not Tested	Not Tested
Aspergillus terreus	NT	Not Tested	Not Tested
E. coli	ND	Not Detected	Pass
STEC	NT	Not Tested	Not Tested
Salmonella - Specific Gene	ND	Not Detected	Pass
Staphylococcus aureus	ND	Not Detected	Pass
Pseudomonas aeruginosa	ND	Report Only	Tested

Performed by: Jordan Morley

Notes: Foreign Matter: Not Detected.

Reviewed by: Tessa Crook

Instrument Analysis Report

Terpenes

Method: SOP 1-2029.03

Sample Name: Eugenol MCT Drops

APRC Lot Number: BG240228B

Analyte	Total % (w/w)	Total (mg/g)
α-Pinene	ND	ND
Camphene	ND	ND
Sabinene	ND	ND
β-pinene	ND	ND
Myrcene	0.002	0.021
alpha-Phellanderene	ND	ND
3-Carene	ND	ND
Terpinene	ND	ND
m-Cymene	ND	ND
p-Cymene	ND	ND
Limonene	0.005	0.052
cis-β-Ocimene	ND	ND
Eucalyptol	ND	ND
ortho-Cymene	ND	ND
trans-β-Ocimene	ND	ND
γ-Terpinene	ND	ND
Sabinine Hydrate	ND	ND
terpinolene	ND	ND
Linalool	0.011	0.110
Fenchyl Alcohol	0.006	0.060
Isopulegol	ND	ND
Isoborneol	ND	ND
Borneol	ND	ND

Analyte	Total % (w/w)	Total (mg/g)
Menthol	ND	ND
Terpinen-4-ol	ND	ND
alpha-Terpineol	0.006	0.059
Nerol	ND	ND
Citronellol	ND	ND
Geraniol	ND	ND
Thymol	ND	ND
Carvacrol	ND	ND
(-)-alpha-Cedrene	ND	ND
beta-Caryophyllene	0.043	0.428
beta-Cedrene	ND	ND
trans-beta-Farnesene	0.001	0.014
Humulene	0.015	0.146
Valencene	ND	ND
cis-Nerolidol	ND	ND
trans-Nerolidol	ND	ND
Squalene	ND	ND
Guaiol	0.011	0.113
Cedrol	ND	ND
α-Bisabolol	0.006	0.056
Farneseol	ND	ND
Phytane (2,6,10,14-Tetramethylhexadecane)	ND	ND
Total	0.106	1.059

Performed by: Anil Rokaya

Reviewed by: Riley Hunter



Approved By:

William A. Deutschman, Ph.D.
 Laboratory Director - APRC Lehi
 03/07/2024

Certificate of Analysis

Laboratory Report

SAMPLE NAME : Eugenol MCT Drops
CLIENT NAME : Boojum Med
CLIENT LOT # : PR.240226
APRC LOT# : BG240228B

Column : ZB5 (60 m length × 0.25 mm inner diameter × 0.25 µm film thickness)
Instrument : Shimadzu Nexis GC-2030
Carrier gas : Helium 80 psi
Temperature ramp : 2 degrees Celsius per minute up to 260-degree Celsius
Split ratio : 30:1
Sample preparation : 5% w/v solution with Dichloromethane

Interpretation on this sample:

This sample contains 0.134% of Eugenol by this method.

Analyzed by : Dr Prabodh Satyal
Reviewed by : Ambika Poudel

Issued Date : 03-22-2024

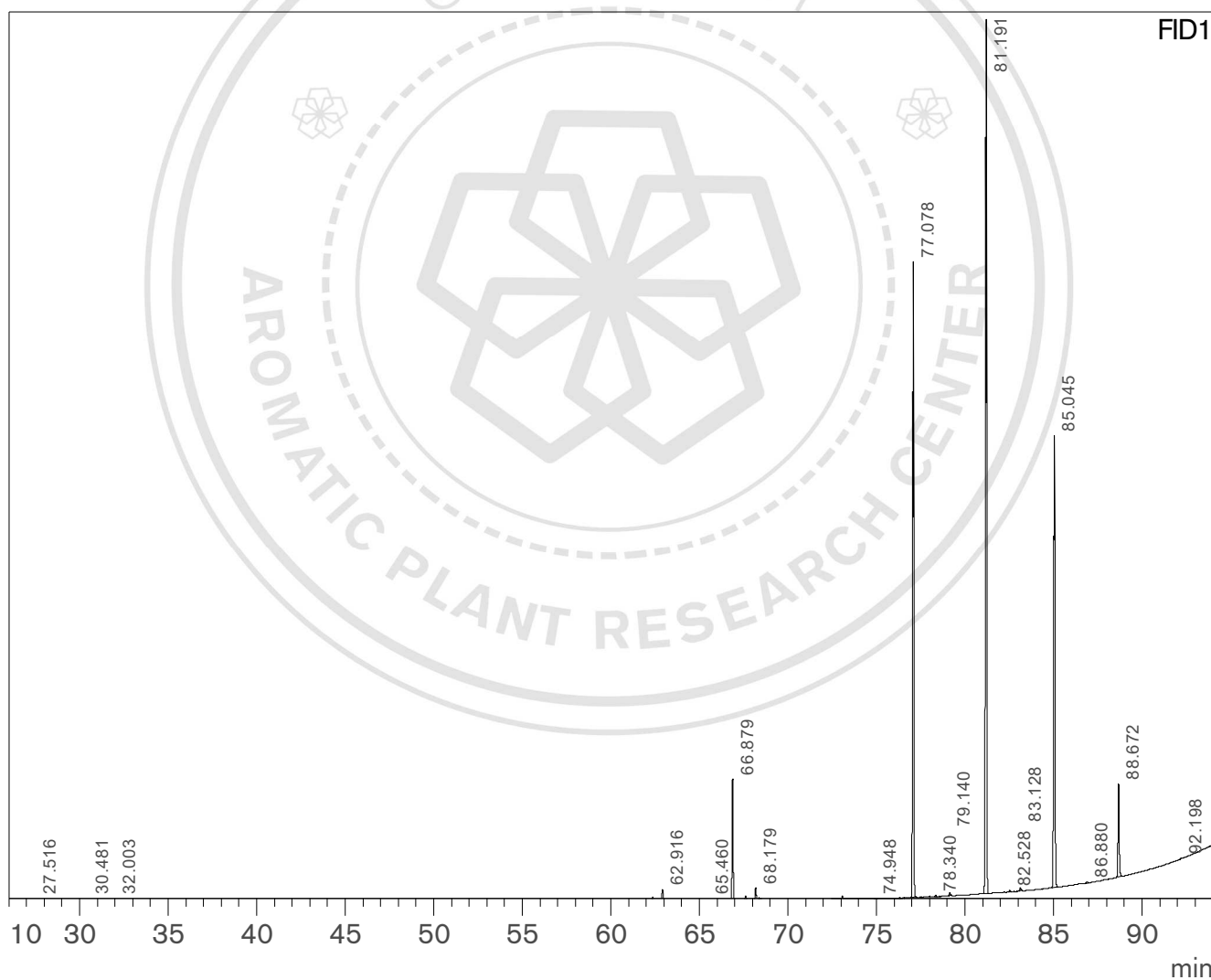
GC-FID Analysis

Sample Information

Analyzed by : Dr Prabodh Satyal
Analyzed : 03-22-2024
Sample Type : Oil
Sample Name : Eugenol MCT Drops
Client Name : Boojum Med
Client Lot# : PR.240226
APRC Lot# : BG240228B
Injection Volume : 0.30

Chromatogram

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Peak Table

R-Time	Compounds	Area%
27.516	Eugenol	0.134
30.481	beta-Caryophyllene	0.078
32.003	alpha-Humulene	0.017
62.916	cis-11-Eicosenoic acid	0.581
65.460	Erucic acid	0.019
66.879	Dronabinol	5.027
68.179	Hexacosane	0.580
74.948	2-(Heptanoyloxy)propane-1,3-diyl dioctanoate	0.024
77.078	Tricaprylin Triglyceride	26.698
78.340	3-(Benzoyloxy)propane-1,2-diyl dioctanoate	0.058
79.140	2-(Nonanoyloxy)propane-1,3-diyl dioctanoate	0.126
81.191	Caprin Biscaprylin Triglyceride	39.857
82.528	2-(Decanoyloxy)-3-(octanoyloxy)propyl benzoate	0.052
83.128	1-(Nonanoyloxy)-3-(octanoyloxy)propan-2-yl decanoate	0.140
85.045	Caprylin Biscaprin Triglyceride	22.245
86.880	Coconut triglyceride 1	0.071
88.672	Tricaprin Triglyceride	4.255
92.198	Coconut triglyceride 2	0.038
	Total	100.000

