Aromatic Plant Research Center
230 N 1200 E STE 100
Lehi, UT 84043
www.aromaticplant.org

Comprehensive Analysis Report

Sample Overview

Client: Boojum Med, LLC

Date Received: 10/18/2024
APRC #: BG241021B

Sample Name: 800mg Mint Oral Spray
Sample Matrix: Tincture
Sample Lot: PR.241016A

Assay	Disposition	Report Date
Cannabinoid Testing (Potency)	Tested	10/29/2024
Microbial: Quantitative and Pathogen Detection Combo	Tested	10/29/2024
Terpene Quantitation	Tested	10/29/2024

PJLA Testing

Accreditation #115229
Aromatic Plant Research Center is an ISO 17025:2017 certified laboratory.

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Instrument Analysis Report

Potency

Method: SOP 1-2026.03 Sample Name: 800mg Mint Oral Spray APRC Lot Number: BG241021B

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)	5.32	0.04	0.41
Cannabidiol (CBD)	3.57	0.01	0.11
Cannabigerol (CBG)	3.37	0.15	1.51
Tetrahydrocannabivarin (THCV)	3.88	0.03	0.29
Tetrahydrocannabivarin Acid (THCVA)	ND	ND	ND
Delta-9-Tetrahydrocannabinol (Δ9-THC)	6.72	4.10	41.01
Delta-8-Tetrahydrocannabinol (Δ8-THC)	ND	ND	ND
Tetrahydrocannabinolic acid (THCA-A)	ND	ND	ND
Cannabichromene (CBC)	8.45	0.08	0.83
Cannabichromene Acid (CBCA)	ND	ND	ND
Δ10 and Δ6a,10a-Tetrahydrocannabinol, mixed isomers	ND	ND	ND
(6aR,9R)-Δ10-Tetrahydrocannabidiol	NT	NT	NT
(6aR,9S)-Δ10-Tetrahydrocannabidiol	NT	NT	NT
9(R+S)-Δ6a,10a-Tetrahydrocannabidiol	NT	NT	NT
Cannabicitran (CBTC)	ND	ND	ND

Performed by: Samikshya Neupane

Reviewed by: Riley Hunter

	%	mg/g
Total Cannabinoids	4.42	44.16
Total THC[t]	4.10	41.01
Total CBD[s]	0.01	0.11

[t]Total Thc is calculated by Δ9-THC +(THCA-A*0.877)

[s]Total CBD is calculated by CBD + (CBDA*0.877)

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

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Instrument Analysis Report

Microbial Impurities

Method: SOP 1-2034.01 and 1-2035.01 Sample Name: 800mg Mint Oral Spray APRC Lot Number: BG241021B

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	NT	Not Tested
Aspergillus fumigatus	NT	NT	Not Tested
Aspergillus niger	NT	NT	Not Tested
Aspergillus terreus	NT	NT	Not Tested
E. coli	Not Detected	Not Detected	Pass
STEC	NT	NT	Not Tested
Salmonella - Specific Gene	Not Detected	Not Detected	Pass
Staphylococcus aureus	Not Detected	Not Detected	Pass
Pseudomonas aeruginosa	Not Detected	Report Only	Tested

Performed by: Jordan Morley Notes: Foreign Matter: Not Detected.

Reviewed by: Tessa Crook

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Instrument Analysis Report

Terpenes

Method: SOP 1-2029.03 Sample Name: 800mg Mint Oral Spray APRC Lot Number: BG241021B

Analyte	Total % (w/w)	Total (mg/g)
α-Pinene	0.001	0.009
Camphene	ND	ND
Sabinene	0.000	0.005
β-pinene	0.001	0.011
Myrcene	ND	ND
alpha-Phellanderene	ND	ND
3-Carene	ND	ND
Terpinene	ND	ND
m-Cymene	ND	ND
p-Cymene	ND	ND
Limonene	0.003	0.026
cis-β-Ocimene	ND	ND
Eucalyptol	0.006	0.064
ortho-Cymene	ND	ND
trans-β-Ocimene	ND	ND
γ-Terpinene	ND	ND
Sabinine Hydrate	ND	ND
terpinolene	ND	ND
Linalool	0.007	0.066
Fenchyl Alcohol	0.003	0.030
Isopulegol	ND	ND
Isoborneol	ND	ND
Borneol	ND	ND

Analyte	Total % (w/w)	Total (mg/g)
Menthol	0.035	0.354
Terpinen-4-ol	ND	ND
alpha-Terpineol	0.005	0.049
Nerol	ND	ND
Citronellol	ND	ND
Geraniol	ND	ND
Thymol	ND	ND
Carvacrol	ND	ND
(-)-alpha-Cedrene	ND	ND
beta-Caryophyllene	0.013	0.130
beta-Cedrene	ND	ND
trans-beta-Farnesene	0.001	0.009
Humulene	0.004	0.043
Valencene	0.003	0.033
cis-Nerolidol	ND	ND
trans-Nerolidol	0.006	0.058
Squalene	ND	ND
Guaiol	0.010	0.100
Cedrol	ND	ND
α-Bisabolol	0.001	0.010
Farneseol	0.004	0.043
Phytane (2,6,10,14-Tetramethylhexadecane)	ND	ND
Total	0.104	1.038

Performed by: Anil Rokaya Reviewed by: Riley Hunter

Approved By:
Nicholas Saichek, PhD

Senior Scientist Mass Spectrometry
10/29/2024