

# Comprehensive Analysis Report

## Sample Overview

**Client:** Boojum Med, LLC

**Date Received:** 10/18/2024

**Sample Name:** 400mg Mint Oral Spray

**APRC #:** BG241021A

**Sample Matrix:** Tincture

**Sample Lot:** PR.241015

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



Accreditation #115229

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

## Instrument Analysis Report

### Potency

Method: SOP 1-2026.03

Sample Name: 400mg Mint Oral Spray

APRC Lot Number: BG241021A

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)	5.33	0.02	0.21
Cannabidiol (CBD)	3.57	0.01	0.06
Cannabigerol (CBG)	3.38	0.08	0.77
Tetrahydrocannabivarin (THCV)	3.89	0.01	0.14
Tetrahydrocannabivarin Acid (THCVA)	ND	ND	ND
Delta-9-Tetrahydrocannabinol ( $\Delta$ 9-THC)	6.72	2.05	20.52
Delta-8-Tetrahydrocannabinol ( $\Delta$ 8-THC)	ND	ND	ND
Tetrahydrocannabinolic acid (THCA-A)	ND	ND	ND
Cannabichromene (CBC)	8.46	0.04	0.41
Cannabichromene Acid (CBCA)	ND	ND	ND
$\Delta$ 10 and $\Delta$ 6a,10a-Tetrahydrocannabinol, mixed isomers	ND	ND	ND
(6aR,9R)- $\Delta$ 10-Tetrahydrocannabidiol	NT	NT	NT
(6aR,9S)- $\Delta$ 10-Tetrahydrocannabidiol	NT	NT	NT
9(R+S)- $\Delta$ 6a,10a-Tetrahydrocannabidiol	NT	NT	NT
Cannabicitran (CBTC)	ND	ND	ND

Performed by: Samikshya Neupane

Reviewed by: Riley Hunter

	%	mg/g
Total Cannabinoids	2.21	22.11
Total THC <sup>t</sup>	2.05	20.52
Total CBD <sup>s</sup>	0.01	0.06

<sup>t</sup>Total Thc is calculated by  $\Delta$ 9-THC + (THCA-A\*0.877)

<sup>s</sup>Total 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: 400mg Mint Oral Spray    APRC Lot Number: BG241021A

Total Counts			
Microbial Group:	Result (CFU/g):	Specification:	Disposition:
Total Aerobic Bacteria	20	≤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

## Instrument Analysis Report

### Terpenes

Method: SOP 1-2029.03

Sample Name: 400mg Mint Oral Spray

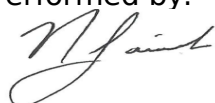
APRC Lot Number: BG241021A

Analyte	Total % (w/w)	Total (mg/g)
$\alpha$ -Pinene	0.001	0.009
Camphene	ND	ND
Sabinene	0.000	0.005
$\beta$ -pinene	0.001	0.011
Myrcene	0.000	0.005
alpha-Phellanderene	ND	ND
3-Carene	ND	ND
Terpinene	ND	ND
m-Cymene	ND	ND
p-Cymene	ND	ND
Limonene	0.002	0.025
cis- $\beta$ -Ocimene	ND	ND
Eucalyptol	0.007	0.066
ortho-Cymene	ND	ND
trans- $\beta$ -Ocimene	ND	ND
$\gamma$ -Terpinene	ND	ND
Sabinine Hydrate	ND	ND
terpinolene	ND	ND
Linalool	0.004	0.039
Fenchyl Alcohol	0.002	0.019
Isopulegol	ND	ND
Isoborneol	ND	ND
Borneol	ND	ND

Analyte	Total % (w/w)	Total (mg/g)
Menthol	0.035	0.346
Terpinen-4-ol	ND	ND
alpha-Terpineol	0.003	0.029
Nerol	ND	ND
Citronellol	ND	ND
Geraniol	ND	ND
Thymol	ND	ND
Carvacrol	ND	ND
(-)-alpha-Cedrene	ND	ND
beta-Caryophyllene	0.009	0.088
beta-Cedrene	ND	ND
trans-beta-Farnesene	0.001	0.006
Humulene	0.002	0.024
Valencene	0.004	0.036
cis-Nerolidol	ND	ND
trans-Nerolidol	0.002	0.019
Squalene	ND	ND
Guaiol	0.004	0.040
Cedrol	ND	ND
$\alpha$ -Bisabolol	ND	ND
Farneseol	0.002	0.016
Phytane (2,6,10,14-Tetramethylhexadecane)	ND	ND
Total	0.078	0.781

Performed by: Anil Rokaya

Reviewed by: Riley Hunter



**Approved By:**  
Nicholas Saichek, PhD

Senior Scientist Mass Spectrometry  
10/29/2024