

Mandarin Cookies - Cured

METRC Sample: 1A40A0300008C3E000066523; METRC Manifest: 0002890035; Metrc Source ID: 1A40A0300008C3E000066522

Sample ID: 2505ANS1122-7930

Strain: N/A
Concentrates & Extracts, Other, Cannabis Resin &
Concentrates, Cannabis Resin & Concentrates, ,
Inhalation

Produced: 05/19/2025
Completed: 05/27/2025
Expiration: 05/27/2026
Batch ID: 051925-OV.7

Client
Root and Bloom, Inc.
Lic. # MP281819
187 Lafayette Rd.
Salisbury, MA 01952

Sample Size: 5.38 g

COC #: 2505ANS1122; Number of Servings: ; Growth Material: N/A; Extraction Solvent: Butane and Propane; Remediated: No; Revision Notes: ; Amended: No; Sample Condition: Intact;



Summary

Test	Date Tested	Result
Cannabinoids	05/27/2025	Complete
Water Activity		NR - Complete
Terpenes	05/23/2025	Complete
Residual Solvents	05/23/2025	Pass
Microbials	05/22/2025	Pass
Mycotoxins	05/23/2025	Pass
Heavy Metals	05/23/2025	Pass
Product Approved		May be dispensed for all uses

Instrument ID: WA-1
Water Activity analyzed per SOP-020. NT= Not Tested, NR = Not Reported.

Cannabinoids

Complete

78.751% Total Active THC	ND Total Active CBD	80.767% Total Active Cannabinoids
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Analyte	LOD	LOQ	Result	Result	Qualifiers
	%	%	%	mg/g	
THCa	0.00002	0.00010	83.932	839.319	
Δ9-THC	0.00002	0.00010	5.143	51.430	
Δ8-THC	0.00002	0.00010	ND	ND	
THCVa	0.00002	0.00010	ND	ND	
THCV	0.00001	0.00010	ND	ND	
CBDa	0.00001	0.00010	ND	ND	
CBD	0.00001	0.00010	ND	ND	
CBDVa	0.00001	0.00010	ND	ND	
CBDV	0.00001	0.00010	ND	ND	
CBNa	0.00004	0.00010	ND	ND	
CBN	0.00002	0.00010	ND	ND	
CBGa	0.00001	0.00010	1.130	11.302	
CBG	0.00002	0.00010	ND	ND	
CBCa	0.00004	0.00010	1.168	11.677	
CBC	0.00001	0.00010	ND	ND	
CBL	0.00003	0.00010	ND	ND	
CBT	0.00002	0.00010	ND	ND	
Total Available THC			89.075	890.750	
Total Active THC			78.751	787.513	
Total Available CBD			ND	ND	
Total Active CBD			ND	ND	
Total Available Cannabinoids			91.373	913.729	
Total Active Cannabinoids			80.767	807.666	

Entered by: 49; Instrument ID: 5; Date Tested: 05/27/2025;

Cannabinoids analyzed by SOP-009. LOD= Limit of Detection, LOQ = Limit of Quantitation, ND = Not Detected. Total Available THC = Δ9-THC + THCa. Total Active THC = Δ9-THC + (THCa0.877). Total Available CBD = CBD + CBDA. Total Active CBD = CBD + (CBDA0.877). Total Active Cannabinoids = THCa0.877+ Δ9 THC+ Δ8 THC+ THCVa0.877+ THCV+ CBDA 0.877 + CBD+ CBDV+ CBDVa 0.877+ CBNA0.877+ CBN + CBGA0.877+ CBG + CBCA*0.877+CBC+ CBL+ CBT. Total Available Cannabinoids = sum of all detected cannabinoids.



Ryan Picard
Lab Director
05/27/2025

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Concentrates, Cannabis Resin & Concentrates, ,

Batch ID: 051925-OV.7

187 Lafayette Rd.

Inhalation

Salisbury, MA 01952

Sample Size: 5.38 g

COC #: 2505ANS1122; Number of Servings: ; Growth Material: N/A; Extraction Solvent: Butane and Propane; Remediated: No; Revision Notes: ; Amended: No; Sample Condition: Intact;

Terpenes

Analyte	CAS #	LOD	LOQ	Result	Result	Qualifiers
		%	%	%	mg/g	
β-Caryophyllene		0.00002	0.0001	1.04	10.415	
α-Humulene		0.00002	0.0001	0.41	4.055	
Linalool		0.00002	0.0001	0.29	2.901	
d-Limonene		0.00002	0.0001	0.27	2.714	
Nerolidol		0.00001	0.0001	0.26	2.592	
β-Farnesene		0.00003	0.0001	0.20	2.016	
(+)-Fenchol		0.00003	0.0001	0.15	1.463	
Terpinolene		0.00001	0.0001	0.15	1.462	
β-Myrcene		0.00001	0.0001	0.13	1.285	
α-Terpineol		0.00003	0.0001	0.06	0.648	
(-)-alpha-Thujone		0.00002	0.0001	ND	ND	
3-Carene		0.00001	0.0001	ND	ND	
α-Bisabolol		0.00002	0.0001	ND	ND	
α-Cedrene		0.00001	0.0001	ND	ND	
α-Pinene		0.00001	0.0001	ND	ND	
α-Terpinene		0.00001	0.0001	ND	ND	
β-Cedrene		0.00001	0.0001	ND	ND	
β-Pinene		0.00001	0.0001	ND	ND	
Camphene		0.00001	0.0001	ND	ND	
Camphor		0.00002	0.0001	ND	ND	
Caryophyllene Oxide		0.00002	0.0001	ND	ND	
Cedrol		0.00002	0.0001	ND	ND	
cis-Farnesol		0.00002	0.0001	ND	ND	
cis-Ocimene		0.00001	0.0001	ND	ND	
Citronellol		0.00001	0.0001	ND	ND	
(S)-(+)-Carvone		0.00002	0.0001	ND	ND	
delta-Valerolactam		0.00002	0.0005	ND	ND	
Eucalyptol		0.00001	0.0001	ND	ND	
Total				2.96	29.550	

Primary Aromas



Entered by: 42

Instrument ID: GC-3 Back

Date Tested: 05/23/2025

LOD= Limit of Detection, LOQ = Limit of Quantitation. Terpenes analyzed by SOP-010. Nerolidol = Sum of Cis and Trans-Nerolidol.



Accreditation #104289

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Lab Director
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Terpenes

Analyte	CAS #	LOD	LOQ	Result	Result	Qualifiers
		%	%	%	mg/g	
γ-Terpinene		0.00002	0.0001	ND	ND	
Geraniol		0.00001	0.0001	ND	ND	
Geranyl Acetate		0.00002	0.0001	ND	ND	
Isobornyl Acetate		0.00002	0.0001	ND	ND	
(-)-Fenchone		0.00002	0.0001	ND	ND	
m-Cymene		0.00002	0.0001	ND	ND	
Menthol		0.00003	0.0001	ND	ND	
L-Menthone		0.00002	0.0001	ND	ND	
Nerol		0.00002	0.0001	ND	ND	
Nootkatone		0.00002	0.0001	ND	ND	
o-Cymene		0.00002	0.0001	ND	ND	
(-)-Isopulegol		0.00002	0.0001	ND	ND	
(+)-Borneol		0.00002	0.0001	ND	ND	
(-)-Guaiol		0.00002	0.0001	ND	ND	
Phytane		0.00002	0.0001	ND	ND	
Piperitone		0.00002	0.0001	ND	ND	
R-(-)-α-Phellandrene		0.00001	0.0001	ND	ND	
(+)-Pulegone		0.00002	0.0001	ND	ND	
p-Cymene		0.00001	0.0001	ND	ND	
Sabinene		0.00009	0.0001	ND	ND	
Sabinene Hydrate		0.00002	0.0001	ND	ND	
Safranal		0.00002	0.0001	ND	ND	
Terpinen-4-ol		0.00001	0.0001	ND	ND	
Thymol		0.00002	0.0001	ND	ND	
trans-Citral		0.00002	0.0001	ND	ND	
trans-Farnesol		0.00002	0.0001	ND	ND	
trans-Ocimene		0.00001	0.0001	ND	ND	
Valencene		0.00002	0.0001	ND	ND	
Total				2.96	29.550	

Primary Aromas



Entered by: 42

Instrument ID: GC-3 Back

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Microbials

Pass

Analyte	Limit	Results	Qualifiers	Status
	CFU/g	CFU/g		
(ECPT) E. coli (O157)	Not Detected in 1g	Not Detected		Pass
(SPT) Salmonella	Not Detected in 1g	Not Detected		Pass
(AC) Total Viable Aerobic Bacteria	10000	<100		Pass
(YM) Total Yeast & Mold	1000	<100		Pass
(EB) Total Bile-Tolerant Gram Negative Bacteria	100	<10		Pass
(CC) Total Coliforms	100	<10		Pass
Hop-Latent Viroid	1	NR		NT
Cannabis Cryptic Virus	1	NR		NT
Lettuce Chlorosis Virus	1	NR		NT

Entered by: 51/64
Instrument ID: PCR-1
Date Tested: 05/22/2025

Plating of Total Aerobic bacteria, Bile-Tolerant Gram-negative bacteria, total Coliforms, and total yeast & mold are analyzed by SOP-006. Shiga Toxin-Producing Escherichia coli and Salmonella spp. are analyzed by SOP-019. Viruses analyzed by SOP-016, are non-compliant, and NOT ISO accredited. NR = Not Reported, NT = Not Tested, TNTC = Too Numerous To Count.

Mycotoxins

Pass

Analyte	LOD	LOQ	Limit	Results	Qualifiers	Status
	ug/kg	ug/kg	ug/kg	ug/kg		
Total Aflatoxins	4.0	4.0	20.0	ND		Pass
Ochratoxin A	2.0	2.0	20.0	ND		Pass

Entered by: 64
Instrument ID: ER-1
Date Tested: 05/22/2025

LOD= Limit of Detection, LOQ = Limit of Quantitation. Mycotoxins analyzed by SOP-013.

Heavy Metals

Pass

Analyte	LOD	LOQ	Limit	Results	Qualifiers	Status
	ug/kg	ug/kg	ug/kg	ug/kg		
Arsenic	0.177	0.500	200.000	ND		Pass
Cadmium	0.139	0.500	200.000	ND		Pass
Lead	0.046	0.500	500.000	ND		Pass
Mercury	0.031	0.200	100.000	ND		Pass

Entered by: 55
Instrument ID: ICPMS-2
Date Tested: 05/22/2025

LOD = Limit of Detection, LOQ = Limit of Quantitation. Heavy Metals analyzed by SOP-005



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Residual Solvents

Pass

Analyte	LOQ	Limit	Results	Status	Qualifiers
	PPM	PPM	PPM		
Isobutane	1.000	12.000	ND	Pass	
n-Butane	1.000	12.000	8.177	Pass	
Total Hydrocarbons	1.000	12.000	8.177	Pass	
Propane	1.000	12.000	ND	Pass	

Entered by: 42
Instrument ID: GC-2
Date Tested: 05/23/2025
LOQ = Limit of Quantitation. Residual Solvents analyzed by SOP-011



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