

Analytical Test Report

Client: Fernway OCM-PROC-24-000083	Final Report	MCR-S24-00981 <u>Rev.02.00</u>	Laboratory: MCR Labs Julian England 315-541-4202 800 Broad Street Utica, NY 13501
	Report Date	9/16/2024	
	Lab Permit	OCM-CPL-2022-00008	
	Sample Collection Site	Warwick, NY	
	Sample Collection Date and Time	9/11/2024 09:45	

Sample ID #	Sample Name	Matrix	Sample Type	Date Received
S24-00981	<u>Mandarin Orange - 2.0g (T)</u>	Concentrate	Adult Use	9/11/2024

Lot #	Lot Size (units)	Number of Units Recieved
FNY-UX-MANDAR-T2G-240911	4000	4

The test results presented in this report are accurate, complete, and compliant with the MCR Labs quality control criteria.

Authorization



Julian England
Lead Technical Director

Case Narrative

These results apply only to the items tested, as sampled according to CORP-SOP-NY-20, by MCR Labs New York. In addition to the units above, MCR Labs also received 10g of bulk oil in accordance with the OCM Cannabis Sampling Quality System Standard. Positive control sample failed with a high bias. There should be no impact to results below limits of quantitation. Report revisions are italicized and underlined.

This report and all information herein shall not be reproduced, except in its entirety, without the expressed consent of MCR Labs. Results apply only to the sample supplied to MCR Labs.

Requested Testing

Test	Code	Procedure	Analytes Tested	Disposition
Cannabinoid Profile	CN	TM-NY-7	CBC, CBD, CBDA, CBDV, CBG, CBGA, CBN, Δ8-THC, Δ9-THC, (6aR,9S)-10-THC, (6aS,9S)-10-THC, THCV, THCVA	N/A
Heavy Metals Screen	HM	TM-NY-5	Arsenic (As), Cadmium (Cd), Mercury (Hg), Lead (Pb), Chromium (Cr), Copper (Cu), Nickel (Ni), Antimony (Sb)	Pass
Mycotoxins Screen	MY	TM-NY-6	Aflatoxin B1, Aflatoxin B2, Aflatoxin G1, Aflatoxin G2, Total Aflatoxins, Ochratoxin A	Pass
Microbiological Screen	MB	TM-NY-3 TM-NY-8	Total Viable Aerobic Bacteria, Total Yeast and Mold, STEC, Salmonella, Aspergillus	Pass
Residuals Solvents Screen	RS	TM-NY-4	Residual solvents as required by OCM	Pass
Terpene Profile	TP	TM-NY-12	α-Pinene, Camphene, β-Myrcene, β-Pinene, Δ-3-Carene, α-Terpinene, cis-β-Ocimene, D-Limonene, p-Cymene, trans-β-Ocimene, Eucalyptol, γ-Terpinene, Terpinolene, Linalool, Isopulegol, Geraniol, β-Caryophyllene, α-Humulene, cis-Nerolidol, trans-Nerolidol, Guaiol, Caryophyllene Oxide, α-Bisabolol, α-Terpineol, Fenchol, Valencene, α-Phellandrene, trans-β-Farnesene	Pass
Pesticides Screen	PS	TM-NY-6	Pesticides as required by OCM	Pass

Cannabinoid Profile [TM-NY-7]

Analyst: TC

Test Date: 9/12/2024 12:44

Table 1 - S24-00981 Mandarin Orange - 2.0g (T) Concentrate Cannabinoid Testing

Analyte	Cannabinoid	Conc. (weight %)	Conc. (mg/g)	LOD (weight %)	LOQ (weight %)
CBC	Cannabichromene	0.454%	4.54	0.0154%	0.1748%
CBD	Cannabidiol	0.311%	3.11	0.0234%	0.1748%
CBDA	Cannabidiolic Acid	<LOQ	<LOQ	0.0177%	0.1748%
CBDV	Cannabidivarin	<LOQ	<LOQ	0.0227%	0.1748%
CBG	Cannabigerol	0.798%	7.98	0.0199%	0.1748%
CBGA	Cannabigerolic Acid	ND	ND	0.0215%	0.1748%
CBN	Cannabinol	0.899%	8.99	0.0182%	0.1748%
Δ8-THC	Δ8-Tetrahydrocannabinol	ND	ND	0.0657%	0.1748%
Δ9-THC	Δ9-Tetrahydrocannabinol	82.2%	822	0.0493%	0.1748%
Δ10R-THC	Δ10R-Tetrahydrocannabinol	ND	ND	0.0191%	0.1748%
Δ10S-THC	Δ10S-Tetrahydrocannabinol	ND	ND	0.0154%	0.1748%
THCV	Tetrahydrocannabivarin	0.835%	8.35	0.0295%	0.1748%
THCA	Tetryhydrocannabinolic Acid	ND	ND	0.0199%	0.1748%

Total Active Cannabinoids (sum of above table)	85.5%	855	N/A	N/A
Total THC = THC + (THCA * 0.877)	82.2%	822	N/A	N/A
Total CBD = CBD + (CBDA * 0.877)	0.311%	3.11	N/A	N/A

Note: There are no limits established by the New York Office of Cannabis Management for cannabinoid concentrations.
ND = Not Detected; LOQ = Limit of Quantitation; LOD = Limit of Detection.
Δ10R-THC = (6aR,9S)-10-THC; Δ10S-THC = (6aS,9S)-10-THC

Heavy Metals Screen [TM-NY-5]

Analyst: BS

Test Date: 9/12/2024 16:30

Table 2 - S24-00981 Mandarin Orange - 2.0g (T) Concentrate Heavy Metals Testing

Test Analysis	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Limits (µg/g)	Disposition
Arsenic	ND	0.007	0.04	0.2	Pass
Cadmium	ND	0.017	0.05	0.2	Pass
Mercury	ND	0.020	0.04	0.1	Pass
Lead	ND	0.007	0.09	0.5	Pass
Chromium	ND	0.645	20.00	110	Pass
Copper	ND	0.208	5.45	30	Pass
Nickel	ND	0.163	0.36	2	Pass
Antimony	ND	0.019	0.36	2	Pass

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law.
ND = Not Detected; LOD = Limit of Detection; LOQ = Limit of Quantitation.

Mycotoxins Screen [TM-NY-6]	Analyst: NM	Test Date: 9/13/2024 7:40 AM
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Table 3 - S24-00981 Mandarin Orange - 2.0g (T) Concentrate Mycotoxins Testing

Analyte	Result (µg/g)	LOD (µg/g)	LOQ (µg/g)	Limits (µg/g)	Disposition
Aflatoxin B1	ND	0.0025	0.005	N/A	N/A
Aflatoxin B2	ND	0.0010	0.005	N/A	N/A
Aflatoxin G1	ND	0.0015	0.005	N/A	N/A
Aflatoxin G2	ND	0.0042	0.005	N/A	N/A
Total Aflatoxins	ND	N/A	N/A	0.02	Pass
Ochratoxin A	ND	0.0030	0.010	0.02	Pass

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law.
ND = Not Detected; LOD = Limit of Detection; LOQ = Limit of Quantitation.

Microbiological Screen [TM-NY-3]	Analyst: TC	Test Date: 9/11/2024 17:45
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Table 4 - S24-00981 Mandarin Orange - 2.0g (T) Concentrate Microbiological Testing

Test Analysis	Result	Unit	LOQ	Limits	Disposition
Total Viable Aerobic Bacteria	<100	CFU/g	100 CFU/g	10000	Pass
Total Yeast and Mold	<100	CFU/g	100 CFU/g	1000	Pass

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law.
CFU = Colony Forming Unit; LOQ = Limit of Quantitation.

Microbiological Screen [TM-NY-8]	Analyst: TC	Test Date: 9/11/2024 17:45
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Table 5 - S24-00981 Mandarin Orange - 2.0g (T) Concentrate Microbiological Testing

Test Analysis	Result	Unit	LOQ	Limits	Disposition
STEC	Negative	N/A	1 CFU/g	Not detected in 1g	Pass
Salmonella	Negative	N/A	1 CFU/g	Not detected in 1g	Pass
Aspergillus	Negative	N/A	1 CFU/g	Not detected in 1g	Pass

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law.
STEC = Shiga Toxin producing E. coli; CFU = Colony Forming Unit; LOQ = Limit of Quantitation.

Residual Solvents Screen [TM-NY-4]

Analyst: JE

Test Date: 9/13/2024 12:52

Table 6 - S24-00981 Mandarin Orange - 2.0g (T) Concentrate Residual Solvents Testing

Analyte	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limits (ppm)	Disposition
Acetone	ND	236.8	2000.0	5000	Pass
Acetonitrile	ND	23.4	164.0	410	Pass
Benzene	ND	0.3	0.8	2	Pass
Chloroform	ND	2.6	24.0	60	Pass
1,2-Dichloroethane	ND	0.3	2.0	5	Pass
Diethyl ether	ND	216.8	2000.0	5000	Pass
Dimethyl sulfoxide	ND	166.4	2000.0	5000	Pass
Ethanol	ND	244.0	2000.0	5000	Pass
Ethyl acetate	ND	202.4	2000.0	5000	Pass
Heptane	ND	187.6	2000.0	5000	Pass
Isopropyl Alcohol	ND	212.4	2000.0	5000	Pass
Methanol	ND	174.4	1200.0	3000	Pass
Methylene Chloride	ND	25.9	240.0	600	Pass
Propane	ND	88.4	1000.0	5000	Pass
1,1,1,2-Tetrafluoroethane	ND	123.6	400.0	1000	Pass
Toluene	ND	32.7	356.0	890	Pass
1,1,1-Trichloroethane	ND	59.2	600.0	1500	Pass
Total Butanes	ND	108.8	1000.0	5000	Pass
Total Hexanes	ND	10.0	116.0	290	Pass
Total Pentanes	ND	124.4	1000.0	5000	Pass
Total Xylenes	ND	86.4	868.0	2170	Pass

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law.
ND = Not Detected; LOD = Limit of Detection; LOQ = Limit of Quantitation; ppm = Parts Per Million.

Terpene Profile [TM-NY-12]	Analyst: NM	Test Date: 9/13/2024 10:20
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Table 7 - S24-00981 Mandarin Orange - 2.0g (T) Concentrate Terpene Testing

Analyte	Result (weight %)	Result (ppm)	LOD (weight %)	LOD (ppm)	LOQ (weight %)	LOQ (ppm)
α-Pinene	<LOQ	<LOQ	0.0129	129	0.0625	625
Camphene	ND	ND	0.0111	111	0.0625	625
β-Myrcene	0.1117	1117	0.0105	105	0.0625	625
β-Pinene	0.0690	690	0.0101	101	0.0625	625
Δ-3-Carene	<LOQ	<LOQ	0.0104	104	0.0625	625
α-Terpinene	ND	ND	0.0109	109	0.0625	625
cis-β-Ocimene	<LOQ	<LOQ	0.0028	28	0.0156	156
D-Limonene	3.9257	39257	0.0110	110	0.0625	625
p-Cymene	ND	ND	0.0124	124	0.0625	625
trans-β-Ocimene	<LOQ	<LOQ	0.0094	94	0.0469	469
Eucalyptol	ND	ND	0.0109	109	0.0625	625
γ-Terpinene	<LOQ	<LOQ	0.0108	108	0.0625	625
Terpinolene	<LOQ	<LOQ	0.0108	108	0.0625	625
Linalool	<LOQ	<LOQ	0.0109	109	0.0625	625
Isopulegol	ND	ND	0.0127	127	0.0625	625
Geraniol	<LOQ	<LOQ	0.0138	138	0.0625	625
β-Caryophyllene	<LOQ	<LOQ	0.0131	131	0.0625	625
α-Humulene	ND	ND	0.0120	120	0.0625	625
cis-Nerolidol	ND	ND	0.0060	60	0.0269	269
trans-Nerolidol	<LOQ	<LOQ	0.0161	161	0.0625	625
Guaiol	0.0895	895	0.0106	106	0.0625	625
Caryophyllene Oxide	<LOQ	<LOQ	0.0137	137	0.0625	625
α-Bisabolol	<LOQ	<LOQ	0.0128	128	0.0625	625
α-Terpineol	<LOQ	<LOQ	0.0065	65	0.0625	625
Fenchol	<LOQ	<LOQ	0.0030	30	0.0625	625
Valencene	0.2829	2829	0.0104	104	0.0625	625
α-Phellandrene	ND	ND	0.0228	228	0.0625	625
trans-β-Farnesene	ND	ND	0.0307	307	0.0625	625

	Result (weight %)	Limit (weight %)	Disposition
Total Terpenes	4.4788	10.0000	Pass

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law.
ND = Not Detected; LOD = Limit of Detection; LOQ = Limit of Quantitation.

Pesticides Screen [TM-NY-6]

Analyst: NM

Test Date: 9/13/2024 7:40 AM

Table 8 - S24-00981 Mandarin Orange - 2.0g (T) Concentrate Pesticides Testing

Analyte	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limits (ppm)	Disposition
Abamectin	ND	0.023	0.200	0.5	Pass
Acephate	ND	0.042	0.200	0.4	Pass
Acequinocyl	ND	0.034	0.200	2.0	Pass
Acetamiprid	ND	0.036	0.160	0.2	Pass
Aldicarb	ND	0.022	0.200	0.4	Pass
Azadirachtin	ND	0.055	0.200	1.0	Pass
Azoxystrobin	ND	0.109	0.100	0.2	Pass
Bifenazate	ND	0.008	0.160	0.2	Pass
Bifenthrin	ND	0.041	0.100	0.2	Pass
Boscalid	ND	0.032	0.200	0.4	Pass
Captan	ND	0.037	0.200	1.0	Pass
Carbaryl	ND	0.063	0.160	0.2	Pass
Carbofuran	ND	0.033	0.160	0.2	Pass
Chlorantraniliprole	ND	0.008	0.190	0.2	Pass
Chlordane	ND	0.083	0.200	1.0	Pass
Chlorfenapyr	ND	0.134	0.500	1.0	Pass
Chlormequat chloride	ND	0.068	0.200	1.0	Pass
Chlorpyrifos	ND	0.005	0.160	0.2	Pass
Clofentezine	ND	0.016	0.100	0.2	Pass
Coumaphos	ND	0.019	0.200	1.0	Pass
Cyfluthrin	ND	0.132	0.500	1.0	Pass
Cypermethrin	ND	0.254	0.500	1.0	Pass
Daminozide	ND	0.049	0.200	1.0	Pass
Diazinon	ND	0.022	0.100	0.2	Pass
Dichlorvos	ND	0.032	0.200	1.0	Pass
Dimethoate	ND	0.108	0.160	0.2	Pass
Dimethomorph	ND	0.007	0.200	1.0	Pass
Ethoprop(hos)	ND	0.014	0.160	0.2	Pass
Etofenprox	ND	0.020	0.200	0.4	Pass
Etoxazole	ND	0.011	0.100	0.2	Pass
Fenhexamid	ND	0.022	0.200	1.0	Pass
Fenoxycarb	ND	0.032	0.160	0.2	Pass
Fenpyroximate	ND	0.019	0.200	0.4	Pass
Fipronil	ND	0.045	0.200	0.4	Pass
Flonicamid	ND	0.058	0.200	1.0	Pass

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Pesticides Screen [TM-NY-6]

Analyst: NM

Test Date: 9/13/2024 7:40 AM

Table 9 - S24-00981 Mandarin Orange - 2.0g (T) Concentrate Pesticides Testing

Analyte	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limits (ppm)	Disposition
Fludioxonil	ND	0.113	0.200	0.4	Pass
Hexythiazox	ND	0.042	0.200	1.0	Pass
Imazalil	ND	0.011	0.100	0.2	Pass
Imidacloprid	ND	0.020	0.200	0.4	Pass
Indole-3-butyric Acid	ND	0.015	0.200	1.0	Pass
Kresoxim-methyl	ND	0.038	0.200	0.4	Pass
Malathion	ND	0.027	0.100	0.2	Pass
Metalaxyl	ND	0.006	0.190	0.2	Pass
Methiocarb	ND	0.035	0.100	0.2	Pass
Methomyl	ND	0.056	0.200	0.4	Pass
Methyl parathion	ND	0.046	0.100	0.2	Pass
Mevinphos	ND	0.048	0.200	1.0	Pass
MGK-264	ND	0.014	0.100	0.2	Pass
Myclobutanil	ND	0.031	0.100	0.2	Pass
Naled	ND	0.016	0.200	0.5	Pass
Oxamyl	ND	0.046	0.200	1.0	Pass
Paclobutrazol	ND	0.033	0.200	0.4	Pass
Pentachloronitrobenzene	ND	0.037	0.200	1.0	Pass
Permethrins, Total	ND	0.038	0.100	0.2	Pass
Phosmet	ND	0.020	0.100	0.2	Pass
Piperonyl butoxide	ND	0.010	0.200	2.0	Pass
Prallethrin	ND	0.017	0.100	0.2	Pass
Propiconazole	<LOQ	0.011	0.200	0.4	Pass
Propoxur	ND	0.041	0.190	0.2	Pass
Pyrethrins	ND	0.019	0.200	1.0	Pass
Pyridaben	ND	0.025	0.160	0.2	Pass
Spinetoram, Total	ND	0.034	0.200	1.0	Pass
Spinosad, Total	ND	0.033	0.100	0.2	Pass
Spiromesifen	ND	0.019	0.100	0.2	Pass
Spirotetramat	ND	0.010	0.100	0.2	Pass
Spiroxamine	ND	0.018	0.100	0.2	Pass
Tebuconazole	ND	0.015	0.200	0.4	Pass
Thiacloprid	ND	0.005	0.100	0.2	Pass
Thiamethoxam	ND	0.014	0.100	0.2	Pass
Trifloxystrobin	ND	0.045	0.100	0.2	Pass

Note: Testing limits are based on the limits set forth by the New York Office of Cannabis Management pursuant to 9 New York Codes, Rules and Regulations (NYCRR) Part 130 and Cannabis Law.
ND = Not Detected; LOD = Limit of Detection; LOQ = Limit of Quantitation; ppm = Parts Per Million.