

**Old Friend**

108 Walter Drive  
 Syracuse, NY, 13206  
 oldfriendscultivation@gmail.com  
 315-882-8623  
 License #: OCM-MICR-25-000228

**Certificate of Analysis**

Final



Date Released: 10/22/2025 4:00:13PM

Report #: 93020

**Mandarin Butter Soil 2 1/8th**

Sample #: 20962, Weight: 28.00g, Unit Count:

Order #: X251014-0004

Category/Type: Plant, Flower - Cured

Date Collected: 10/14/2025 3:29:15PM

Date Received: 10/14/2025 3:44:23PM

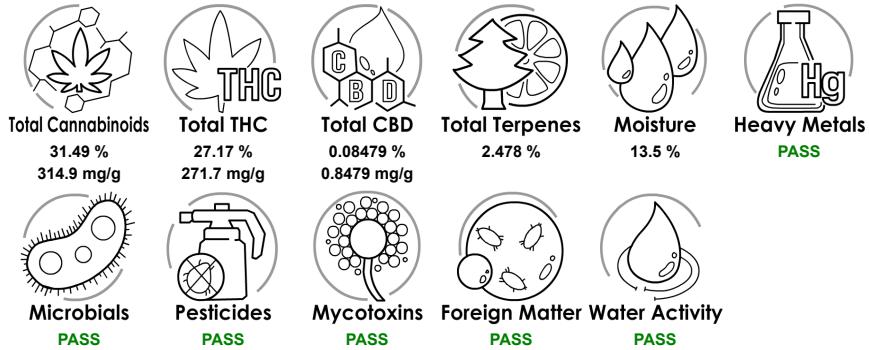
Date Sampled: 10/14/2025 11:39:00AM

Regulator Sample ID: MB-S2J

Regulator Source Package ID: MB-S2J

Regulator Batch ID: MB-S2J

Size: 1000Units, Unit Count:



Cannabinoids Avg		Total Cannabinoids: 31.49 % - 314.9 mg/g				Date Completed: 10/20/2025 11:27AM
Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration	
THCa	23978-85-0	0.001000	29.38	293.8	<div style="width: 100%;"></div>	
d9-THC	1972-08-3	0.001000	1.255	12.55	<div style="width: 10%;"></div>	
CBGa	25555-57-1	0.001000	0.5071	5.071	<div style="width: 5%;"></div>	
d10/S9-THC	95588-87-7	0.001000	0.1412	1.412	<div style="width: 1%;"></div>	
CBG	25654-31-3	0.001000	0.1055	1.055	<div style="width: 1%;"></div>	
CBDa	1244-58-2	0.001000	0.09668	0.9668	<div style="width: 1%;"></div>	
CBDV	24274-48-4	0.001000	ND	ND		

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 1809 Vestal Pkwy E

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Compound	CAS#	LOQ (%)	%	mg/g	Relative Concentration
THCV	31262-37-0	0.001000	ND	ND	
CBD	13956-29-1	0.001000	ND	ND	
CBN	521-35-7	0.001000	ND	ND	
d8-THC	5957-75-5	0.001000	ND	ND	
d10/R9-THC	95543-62-7	0.001000	ND	ND	
CBC	20675-51-8	0.001000	ND	ND	

**Test Comment:** Cannabinoids analyzed by HPLC using P-NY100. The reported result is based on a sample weight using moisture content for flower samples unless moisture is listed as zero or ND. Unless otherwise stated all QC passed.

**Terpenes by HS-GC-MS****Date Completed: 10/17/2025 5:47PM**

Compound	CAS#	LOQ (%)	%	Relative Concentration
Limonene	5989-27-5	0.1000	0.7742	
Beta-caryophyllene	87-44-5	0.1000	0.4400	
Alpha-pinene	80-56-8	0.1000	0.2005	
Linalool	78-70-6	0.1000	0.1835	
Farnesene	502-61-4	0.1000	0.1677	
Beta-pinene	127-91-3	0.1000	0.1614	
Alpha-humulene	6753-98-6	0.1000	0.1596	
Fenchol	14575-74-7	0.1000	0.1411	
Terpineol	8006-39-1	0.1000	0.1404	

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Compound	CAS#	LOQ (%)	%	Relative Concentration
Ocimene	13877-91-3	0.1000	0.1101	<div style="width: 100%; background-color: #557744; height: 10px;"></div>
Results based on dry weight				
Beta-myrcene	123-35-3	0.1000	ND	
Terpinolene	586-62-9	0.1000	ND	
Alpha-bisabolol	515-69-5	0.1000	ND	
Caryophyllene-oxide	1139-30-6	0.1000	ND	
Geraniol	106-24-1	0.1000	ND	
Camphene	79-92-5	0.1000	ND	
Guaiol	489-86-1	0.1000	ND	
Alpha-terpinene	99-86-5	0.1000	ND	
Valencene	4630-07-3	0.1000	ND	
Alpha-phellandrene	99-83-2	0.1000	ND	

Test Comment: Terpenes tested by GCMS using P-NY210. Unless otherwise stated, all QC passed.

Foreign Matter by Microscopy	Pass	Analysis Date: 10/17/2025 10:50 am		
Compound	LOQ (%)	Limits (%)	Result (%)	Status
% Filth	0.00100	2.0	ND	Pass
% Mammalian Excreta	0.00100	5.0	ND	Pass
% Stems	0.00100	0.03	ND	Pass

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

Moisture by Analyzer	Pass	Analysis Date: 10/17/2025 10:10 am		
Compound	LOQ (%)	Limits (%)	Result (%)	Status
Moisture	1.2	0 - 15	13.5	Pass

Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.

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**Sample #: 20962****Mandarin Butter Soil 2 1/8th**

<b>Water Activity by Meter</b>		<b>Pass</b>		<b>Analysis Date: 10/17/2025 10:10 am</b>
<b>Compound</b>	<b>LOQ (Aw)</b>	<b>Limits (Aw)</b>	<b>Result (Aw)</b>	<b>Status</b>
Water Activity	0.05	0.65	0.44	Pass
Comment: Physical chemistry was tested using moisture analyzer, water activity meter using P-NY 160. Unless otherwise stated, all QC passed.				

<b>Pesticides by LCMSMS</b>		<b>Pass</b>		<b>Analysis Date: 10/17/2025 8:05 am</b>
<b>Compound</b>	<b>LOQ (µg/g)</b>	<b>Limits (µg/g)</b>	<b>Result (µg/g)</b>	<b>Status</b>
Abamectin	0.0100	0.500	ND	Pass
Acephate	0.0100	0.400	ND	Pass
Acequinocyl	0.0100	2.00	ND	Pass
Acetamiprid	0.0100	0.200	ND	Pass
Aldicarb	0.0100	0.400	ND	Pass
Azadirachtin	0.0100	1.00	ND	Pass
Azoxystrobin	0.0100	0.200	ND	Pass
Bifenazate	0.0100	0.200	ND	Pass
Bifenthrin	0.0100	0.200	ND	Pass
Boscalid	0.0100	0.400	ND	Pass
Captan	0.0100	1.00	ND	Pass
Carbaryl	0.0100	0.200	ND	Pass
Carbofuran	0.0100	0.200	ND	Pass
Chlorantraniliprole	0.0100	0.200	ND	Pass
Chlordane-alpha	0.0100	1.00	ND	Pass
Chlufenapyr	0.0100	1.00	ND	Pass
Chlormequat Chloride	0.0100	1.00	ND	Pass
Chlorpyrifos	0.0100	0.200	ND	Pass
Clofentezine	0.0100	0.200	ND	Pass
Coumaphos	0.0100	1.00	ND	Pass
Cyfluthrin	0.0100	1.00	ND	Pass

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<b>Pesticides by LCMSMS</b>		<b>Pass</b>	<b>Analysis Date: 10/17/2025 8:05 am</b>	
<b>Compound</b>	<b>LOQ (µg/g)</b>	<b>Limits (µg/g)</b>	<b>Result (µg/g)</b>	<b>Status</b>
Cypermethrin	0.0100	1.00	ND	Pass
Daminozide	0.0100	1.00	ND	Pass
Diazinon	0.0100	0.200	ND	Pass
Dichlorvos	0.0100	1.00	ND	Pass
Dimethoate	0.0100	0.200	ND	Pass
Dimethomorph	0.0100	1.00	ND	Pass
Ethoprophos	0.0100	0.200	ND	Pass
Etofenprox	0.0100	0.400	ND	Pass
Etoxazole	0.0100	0.200	ND	Pass
Fenhexamid	0.0100	1.00	ND	Pass
Fenoxy carb	0.0100	0.200	ND	Pass
Fenpyroximate	0.0100	0.400	ND	Pass
Fipronil	0.0100	0.400	ND	Pass
Flonicamid	0.0100	1.00	ND	Pass
Fludioxonil	0.0100	0.400	ND	Pass
Hexythiazox	0.0100	1.00	ND	Pass
Imazalil	0.0100	0.200	ND	Pass
Imidacloprid	0.0100	0.400	ND	Pass
Indolebutyric Acid	0.0100	1.00	ND	Pass
Kresoxim-methyl	0.0100	0.400	ND	Pass
Malathion	0.0100	0.200	ND	Pass
Metalaxy l	0.0100	0.200	ND	Pass
Methiocarb	0.0100	0.200	ND	Pass
Methomyl	0.0100	0.400	ND	Pass
Methyl Parathion	0.0100	0.200	ND	Pass
Mevinphos	0.0100	1.00	ND	Pass

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<b>Pesticides by LCMSMS</b>		<b>Pass</b>	<b>Analysis Date: 10/17/2025 8:05 am</b>	
<b>Compound</b>	<b>LOQ (µg/g)</b>	<b>Limits (µg/g)</b>	<b>Result (µg/g)</b>	<b>Status</b>
MGK-264	0.0100	0.200	ND	Pass
Myclobutanil	0.0100	0.200	ND	Pass
Naled	0.0100	0.500	ND	Pass
Oxamyl	0.0100	1.00	ND	Pass
Paclobutrazol	0.0100	0.400	ND	Pass
Pentachloronitrobenzene	0.0100	1.00	ND	Pass
Permethrins, Total	0.0100	0.200	ND	Pass
Phosmet	0.0100	0.200	ND	Pass
Piperonyl Butoxide	0.0100	2.00	ND	Pass
Prallethrin	0.0100	0.200	ND	Pass
Propiconazole	0.0100	0.400	ND	Pass
Propoxur	0.0100	0.200	ND	Pass
Pyrethrins Total	0.0100	1.00	ND	Pass
Pyridaben	0.0100	0.200	ND	Pass
Spinetoram Total	0.0100	1.00	ND	Pass
Spinosad Total	0.0100	0.200	ND	Pass
Spiromesifen	0.0100	0.200	ND	Pass
Spirotetramat	0.0100	0.200	ND	Pass
Spiroxamine	0.0100	0.200	ND	Pass
Tebuconazole	0.0100	0.400	ND	Pass
Thiacloprid	0.0100	0.200	ND	Pass
Thiamethoxam	0.0100	0.200	ND	Pass
Trifloxystrobin	0.0100	0.200	ND	Pass

Comment: Pesticides tested by LCMSMS by using P-NY150. Unless otherwise stated, all QC passed.

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<b>Mycotoxins by LCMSMS</b>		<b>Pass</b>		<b>Analysis Date: 10/17/2025 8:02 am</b>	
<b>Compound</b>		<b>LOQ (µg/g)</b>	<b>Limits (µg/g)</b>	<b>Result (µg/g)</b>	<b>Status</b>
Aflatoxin B1		0.0050	0.020	ND	Pass
Aflatoxin B2		0.0050	0.020	ND	Pass
Aflatoxin G1		0.0050	0.020	ND	Pass
Aflatoxin G2		0.0050	0.020	ND	Pass
Ochratoxin A		0.0050	0.020	ND	Pass
<b>Total Aflatoxin</b>		<b>0.0050</b>	<b>0.020</b>	<b>ND</b>	<b>Pass</b>

Comment: Mycotoxin contamination tested by LCMSMS using P-NY125. Unless otherwise stated, all QC passed.

<b>Heavy Metals by ICPMS</b>		<b>Pass</b>		<b>Analysis Date: 10/17/2025 8:00 am</b>	
<b>Compound</b>		<b>LOQ (µg/g)</b>	<b>Limits (µg/g)</b>	<b>Result (µg/g)</b>	<b>Status</b>
Antimony		0.0100	2.00	ND	Pass
Arsenic		0.00100	0.200	0.116	Pass
Cadmium		0.00150	0.200	0.00990	Pass
Chromium		0.280	110	ND	Pass
Copper		0.0750	30.0	4.61	Pass
Lead		0.00250	0.500	0.137	Pass
Mercury		0.000500	0.100	ND	Pass
Nickel		0.0100	5.00	0.273	Pass

Comment: Heavy Metal contamination tested by ICPMS using P-NY140. Unless otherwise stated, all QC passed.

<b>Micro by Petri &amp; qPCR</b>		<b>Pass</b>		<b>Analysis Date: 10/16/2025 4:37 pm</b>	
<b>Compound</b>		<b>LOQ (CFU/g)</b>	<b>Limits (CFU/g)</b>	<b>Result (CFU/g)</b>	<b>Status</b>
Aspergillus flavus Qualitative		1	0	Not Detected	Pass
Aspergillus fumigatus Qualitative		1	0	Not Detected	Pass
Aspergillus niger Qualitative		1	0	Not Detected	Pass
Aspergillus terreus Qualitative		1	0	Not Detected	Pass

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<b>Micro by Petri &amp; qPCR</b>		<b>Pass</b>		<b>Analysis Date: 10/16/2025 4:37 pm</b>	
<b>Compound</b>		<b>LOQ (CFU/g)</b>	<b>Limits (CFU/g)</b>	<b>Result (CFU/g)</b>	<b>Status</b>
Salmonella Qualitative		1	0	Not Detected	Pass
Shiga Toxin-Producing E. coli Qualitative		1	0	Not Detected	Pass
Total Aerobic Bacteria		10		1000	Pass
Total Yeast & Mold		10		3000	Pass

Comment: Microbial contamination tested by Petrifilm plates and qPCR using P-NY120. Unless otherwise stated, all QC passed.  
**Due to COA validation limitations:** "Not Detected" = "Absent" and "Detected" = "Presumptive Presence". Acceptance Limits: "0" = "Absence" and "1" = "Presence". "Passed" for an adult-use product implies the results contain less than 1,000,000 cfu/g.

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