

# Certificate of Analysis

**Grove Inc**  
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Lic. #201999H

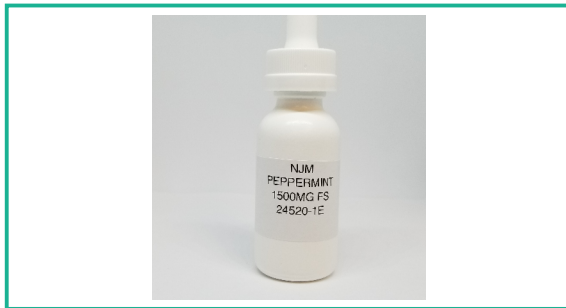
**Sample: 2009CNS1019.5645**

Strain: 1500mg FS Peppermint  
Lot #: 24520-1e;

Sample Received: 09/15/2020; Report Created: 09/21/2020

Harvest Process Lot:  
METRC Batch: ; METRC Sample:

**1500mg FS Peppermint**  
Ingestible, Tincture






## Safety

<b>Pass</b> Pesticides	<b>Pass</b> Microbials	<b>Pass</b> Mycotoxins
<b>Pass</b> Metals	<b>Pass</b> Foreign Matter	

<b>ND</b> Total THC	<b>1,520.5035 mg/unit</b> Total CBD	<b>Pass</b> 0.253 aw Water Activity	<b>NR</b> PH
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## Terpenes

 Eucalyptus	 Orange	 Pine
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## Cannabinoids

Analyte	LOQ	Mass	Mass
	%	mg/unit	mg/g
CBDV	0.00350	40.0425	1.4050
THCV	0.00350	3.0210	0.1060
CBD	0.07000	1520.5035	53.3510
CBG	0.00350	36.4230	1.2780
CBDa	0.00350	<LOQ	<LOQ
CBGa	0.00350	<LOQ	<LOQ
CBN	0.00350	11.3430	0.3980
Δ9-THC	0.30000	<LOQ	<LOQ
Δ8-THC	0.00350	<LOQ	<LOQ
CBC	0.00350	<LOQ	<LOQ
THCa	0.30000	<LOQ	<LOQ
CBCa	0.00350	2.6790	0.0940
<b>Total</b>		<b>1614.0120</b>	<b>56.6320</b>

## Complete

Analyte	LOQ	Mass	Mass
	mg/g	mg/g	%
Eucalyptol	0.100	1.546	0.1546
δ-Limonene	0.100	0.536	0.0536
α-Pinene	0.100	0.376	0.0376
β-Pinene	0.100	0.201	0.0201
β-Caryophyllene	0.100	0.156	0.0156
3-Carene	0.100	<0.100	<0.0100
α-Bisabolol	0.100	<0.100	<0.0100
α-Humulene	0.100	<0.100	<0.0100
α-Terpinene	0.100	ND	ND
β-Myrcene	0.100	<0.100	<0.0100
Camphene	0.100	<0.100	<0.0100
Caryophyllene Oxide	0.100	ND	ND
cis-Nerolidol	0.100	<0.100	<0.0100
γ-Terpinene	0.100	ND	ND
Guaiol	0.100	<0.100	<0.0100
Linalool	0.100	<0.100	<0.0100
Ocimene	0.100	<0.100	<0.0100
p-Cymene	0.100	<0.100	<0.0100
Terpinolene	0.100	<0.100	<0.0100
trans-Nerolidol	0.100	<0.100	<0.0100
trans-Ocimene	0.100	<0.100	<0.0100
<b>Total</b>		<b>2.815</b>	<b>0.2815</b>

1 Unit = , 28.5g  
Total THC = THCa \* 0.877 + Δ9-THC + Δ8-THC. Total CBD = CBDa \* 0.877 + CBD. LOQ = Limit of Quantitation; ND = Not Detectable, NR = Not Reported, NT = Not Tested. Cannabinoids analyzed per Canalysis SOP-06/SOP-14 on an Agilent 1220 HPLC-DAD. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.  
Notes: Unit wt = 28.5g. LOQs for 9THC and THCA comply with client's requirements.

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; ND = Not Detectable, NR = Not Reported, NT = Not Tested. Terpenes analyzed per Canalysis SOP-09 on an Agilent 7890B HS-GC-FID. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.  
Notes:

2952 Meade Ave  
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### Pesticides

Pass

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Abamectin	0.010	0.200	ND	Pass
Acequinocyl	0.010	4.000	ND	Pass
Beta-Cyfluthrin	0.050	2.000	ND	Pass
Bifenazate	0.010	0.400	ND	Pass
Bifenthrin	0.010	0.100	ND	Pass
Cypermethrin	0.010	1.000	ND	Pass
Daminozide	0.020	0.800	ND	Pass
Dimethomorph	0.010	2.000	ND	Pass
Etoxazole	0.010	0.400	ND	Pass
Fenhexamid	0.010	1.000	ND	Pass
Flonicamid	0.010	1.000	ND	Pass
Fludioxonil	0.010	0.500	ND	Pass
Imidacloprid	0.010	0.500	ND	Pass
Myclobutanil	0.010	0.400	ND	Pass
Pacllobutrazol	0.010	0.400	ND	Pass
Piperonyl Butoxide	0.010	3.000	ND	Pass
Pyrethrins	0.010	2.000	ND	Pass
Quintozene	0.050	0.800	ND	Pass
Spinetoram	0.010	1.000	ND	Pass
Spinosad	0.010	1.000	ND	Pass
Spirotetramat	0.010	1.000	ND	Pass
Thiamethoxam	0.010	0.400	ND	Pass
Trifloxystrobin	0.010	1.000	ND	Pass

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; ND = Not Detectable, NR = Not Reported, NT = Not Tested. Pesticides analyzed per Canalysis SOP-10/SOP-15 using Agilent 1260 LC-MS and/or 7000 GC-MS. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.  
Notes:

### Microbials

Pass

Analyte	Limit	Mass	Status
	CFU/g	CFU/g	
Shiga toxin-producing E. coli	ND in 1g	ND	Pass
Salmonella	ND in 1g	ND	Pass
Aerobic Bacteria	100000	ND	Pass
Bile-Tolerant Gram-Negative Bacteria	1000	ND	Pass

Counts over 20,000 are estimates for Bile-Tolerant Gram-Negative Bacteria and Total coliforms. Counts over 40,000 are estimates for Yeast & Mold. ND = Not Detectable, NR = Not Reported, NT = Not Tested. Yeast & Mold, Bile-tolerant bacteria, and Total coliform analyzed by SOP-M003 (chromogenic plates). Aspergillus, Salmonella, and E. coli analyzed by SOP-M004 and SOP-M005 (qPCR). Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.  
Notes:

### Heavy Metals

Pass

Analyte	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Arsenic	250.000	2000.000	268.752	Pass
Cadmium	250.000	820.000	<LOQ	Pass
Lead	250.000	1200.000	<LOQ	Pass
Mercury	25.000	400.000	<LOQ	Pass

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; ND = Not Detectable, NR = Not Reported, NT = Not Tested. Heavy Metals analyzed per Canalysis SOP-08 on an Agilent 7800 ICP-MS.  
Notes:

### Mycotoxins

Pass

Analyte	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Aflatoxins	10.00	20.00	ND	Pass
Ochratoxin A	10.00	20.00	ND	Pass

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Accreditation #101469

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