



2001 Airport Road, Suite 301
Flowood, Mississippi 39232
License #: TESL000161
601-910-3001
info@ms.steephill.com

Regulatory Compliance Testing
Certificate of Analysis



Client Name: Rolling Pines
Client Address: 2672 A Lower Centreville Rd, Liberty, MS 39645
License Number: MCUL002757 / MPRC001303



Sample Name: Gumbo
Sample ID: MS8060
METRC ID (LOT#): 1A4230100001131000000264
Batch Number: 1A4230100001131000000211
Sample Matrix: Flower
Total Batch Size (#), Units in Batch (count):
Total Sample Weight (g), Units Sampled (count): 10
Sample Density(g/ml):
Servings Per Container (#):
Serving Mass (g):
Grams per Package:
Date Sampled: 10/16/2024
Date Received: 10/16/2024
Date Reported: 10/28/2024

Sample Result: PASS



Cannabinoids

PASS

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC) | Test ID: #64920

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0217	0.0657
CBD	ND	ND	ND	ND	0.0319	0.0967
CBDA	0.0796	0.796	0.072	0.72	0.0355	0.1069
CBDV	ND	ND	ND	ND	0.0395	0.1203
CBG	0.1864	1.864	0.1687	1.687	0.0324	0.0985
CBGA	1.3501	13.501	1.2218	12.218	0.0342	0.1034
CBN	ND	ND	ND	ND	0.0311	0.0936
d8-THC	ND	ND	ND	ND	0.0253	0.0768
d9-THC	1.1733	11.733	1.0618	10.618	0.0257	0.0777
THCA	32.9277	329.277	29.7996	297.996	0.0266	0.0799
THCV	ND	ND	ND	ND	0.0315	0.0950

Total Cannabinoids		
	% (Dry)	mg/g (Dry)
Total THC:	30.0	301.000
Total CBD:	0.070	0.698
Total Cannabinoids:	31.491	314.911

Total theoretical THC % = (delta-9-THC%) + (THCA% * 0.877)



Determination of Pass/Fail is based on RULES AND REGULATIONS GOVERNING MEDICAL MARIJUANA REGISTRATION, TESTING, AND LABELING IN MISSISSIPPI. Steep Hill Mississippi does not use Measurement Uncertainty when determining results. Measurement Uncertainty information is available upon request. These results only relate to the item tested and apply to the sample as received. This report should only be reproduced in its entirety.





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Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS) | Test ID: #64927

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
Limonene	0.4984	4.984	0.003	0.009
trans-Caryophyllene	0.4077	4.077	0.007	0.022
Myrcene	0.2915	2.915	0.003	0.009
Linalool	0.2342	2.342	0.004	0.011
a-Humulene	0.1779	1.779	0.004	0.011
a-Bisabolol	0.1092	1.092	0.009	0.026
beta-Pinene	0.0932	0.932	0.003	0.010
a-Pinene	0.0581	0.581	0.002	0.005
trans-Nerolidol	0.0531	0.531	0.004	0.011
cis-Nerolidol	0.0487	0.487	0.004	0.011
Camphene	0.0357	0.357	0.005	0.014
a-Terpinolene	0.0288	0.288	0.002	0.005
gamma-terpinene	0.0256	0.256	0.003	0.008
trans-Ocimene	0.0232	0.232	0.005	0.016
Carophyllene Oxide	0.0198	0.198	0.011	0.034
alpha-Terpinene	0.0187	0.187	0.001	0.004
cis-Ocimene	0.0075	0.075	0.003	0.008
Geraniol	0.0046	0.046	0.011	0.033
3-Carene	ND	ND	0.003	0.008
Cineole	ND	ND	0.004	0.012
Isopulegol	ND	ND	0.008	0.024
Guaiol	ND	ND	0.007	0.020
Total Terpenes	2.1359	21.359		

Moisture

PASS

Water Activity and Moisture Content Analysis | Test ID: #64929

Analyte	Result	Limit	Pass/Fail
Moisture (%)	9.50	15	PASS
Water Activity (Aw)	0.48	0.65	PASS

Heavy Metals

PASS

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS) - Limit units: µg/kg | Test ID: #64922

Analyte	Pass/Fail	Result (ug/g)	Limit	LOD (ug/g)	LOQ (ug/g)
Arsenic	Pass	ND	0.400	0.016	0.050
Cadmium	Pass	ND	0.400	0.022	0.067
Chromium	Pass	ND	1.200	0.065	0.198
Copper	NT	NT	NT	0.083	0.251
Lead	Pass	ND	1.000	0.021	0.062
Mercury	Pass	ND	0.200	0.028	0.084
Nickel	Pass	ND	1.000	0.055	0.166



Sample ID: MS8060

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Pesticides

PASS

Residual pesticide analysis utilizing Liquid and Gas Chromatography – Mass Spectrometry (LC-MSMS) - Limit units: ug/g = ppm | Test ID: #64924

Analyte	Pass/Fail	Result (µg/g)	Limit	LOD (µg/g)	LOQ (µg/g)
Abamectin	PASS	ND	0.500	0.001	0.002
Acephate	PASS	ND	0.400	0.015	0.047
Acequinocyl	PASS	ND	2.000	0.024	0.072
Acetamiprid	PASS	ND	0.200	0.002	0.006
Aldicarb	PASS	ND	0.400	0.005	0.015
Azoxystrobin	PASS	ND	0.200	0.002	0.006
Bifenazate	PASS	ND	0.200	0.002	0.007
Bifenthrin	PASS	ND	0.200	0.004	0.012
Boscalid	PASS	ND	0.400	0.008	0.023
Carbaryl	PASS	ND	0.200	0.001	0.003
Carbofuran	PASS	ND	0.200	0.002	0.005
Chlorantraniliprole	PASS	ND	0.200	0.004	0.011
Chlorfenapyr	PASS	ND	1.000	0.056	0.170
Chloromequat chloride	PASS	ND	0.200	0.004	0.013
Chlorpyrifos	PASS	ND	0.200	0.004	0.011
Clofentezine	PASS	ND	0.200	0.002	0.006
Cyfluthrin	PASS	ND	1.000	0.025	0.076
Cypermethrin	PASS	ND	1.000	0.010	0.029
Daminozide	PASS	ND	1.000	0.014	0.044
Diazinon	PASS	ND	0.200	0.001	0.004
Dichlorvos	PASS	ND	0.100	0.001	0.002
Dimethoate	PASS	ND	0.200	0.002	0.005
Ethoprophos	PASS	ND	0.200	0.002	0.006
Etofenprox	PASS	ND	0.400	0.009	0.029
Etoxazole	PASS	ND	0.200	0.001	0.004
Fenoxycarb	PASS	ND	0.200	0.002	0.005
Fenpyroximate	PASS	ND	0.400	0.002	0.007
Fipronil	PASS	ND	0.400	0.008	0.023
Flonicamid	PASS	ND	1.000	0.043	0.130
Fludioxonil	PASS	ND	0.400	0.010	0.030
Hexythiazox	PASS	ND	1.000	0.007	0.021
Imazalil	PASS	ND	0.200	0.003	0.008
Imidacloprid	PASS	ND	0.400	0.004	0.011
Kresoxim-methyl	PASS	ND	0.400	0.003	0.009
Malathion	PASS	ND	0.200	0.003	0.008
Metalaxyl	PASS	ND	0.200	0.002	0.004
Methiocarb	PASS	ND	0.200	0.002	0.005
Methomyl	PASS	ND	0.400	0.005	0.014
Methyl parathion	PASS	ND	0.200	0.005	0.016
Myclobutanil	PASS	ND	0.200	0.002	0.005
Naled	PASS	ND	0.500	0.004	0.012
Oxamyl	PASS	ND	1.000	0.013	0.040
Paclobutrazol	PASS	ND	0.400	0.009	0.028
Permethrins	PASS	ND	0.200	0.001	0.002
Phosmet	PASS	ND	0.200	0.001	0.004
Piperonyl Butoxide	PASS	ND	2.000	0.048	0.145
Prallethrin	PASS	ND	0.200	0.001	0.004
Propiconazole	PASS	ND	0.400	0.004	0.011
Propoxur	PASS	ND	0.200	0.002	0.005
Pyrethrins	PASS	ND	1.000	0.000	0.001
Pyridaben	PASS	ND	0.200	0.001	0.004
Spinosad	PASS	ND	0.200	0.000	0.001
Spiromesifen	PASS	ND	0.200	0.001	0.003
Spirotetramat	PASS	ND	0.200	0.005	0.015
Spiroxamine	PASS	ND	0.400	0.002	0.006
Tebuconazole	PASS	ND	0.400	0.006	0.017
Thiacloprid	PASS	ND	0.200	0.002	0.007
Thiamethoxam	PASS	ND	0.200	0.002	0.007
Trifloxystrobin	PASS	ND	0.200	0.015	0.045



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Sample ID: MS8060





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Mycotoxins

PASS

Mycotoxins (LC-MS) - Limit units: ug/kg = ppb | Test ID: #64923

Analyte	Pass/Fail	Result (µg/kg)	Limit	LOD (µg/kg)
Aflatoxin B1	PASS	ND	20.0	0.679
Aflatoxin B2	PASS	ND	20.0	0.433
Aflatoxin G1	PASS	ND	20.0	0.373
Aflatoxin G2	PASS	ND	20.0	0.632
Ochratoxin A	PASS	ND	20.0	0.446

Microbials

PASS

Microbial analysis utilizing quantitative Polymerase Chain Reaction and microbial enumeration - Limit units: CFU/g

Per MSDH, 30 August 2024, Total Yeast and Mold must be included in Analytes, but will not be used for Pass/Fail until 29 October 2024.

Analyte	Results (CFU/g)	Limit (CFU/g)	Pass/Fail
Aspergillus Fumigatus	ND	Detectable in 1 gram	Pass
Aspergillus Niger	ND	Detectable in 1 gram	Pass
Aspergillus Flavus1	ND	Detectable in 1 gram	Pass
Aspergillus Terrus	ND	Detectable in 1 gram	Pass
Shiga Toxin E.Coli	ND	Detectable in 1 gram	Pass
Salmonella	ND	Detectable in 1 gram	Pass
Total Yeast and Mold	0	10,000 CFU/g	Pass
Total Coliforms	2	100 CFU/g	Pass

Foreign Material

Foreign Matter Inspection

Analyte	Pass/Fail
Foreign Matter	

I hereby attest that all information contained within this report is complete and accurate, and further that all LQC samples have met required regulatory standards as enacted by the Mississippi Medical Cannabis Program as administered by the Mississippi Department of Health.

Whitney Morris

Whitney Morris
Laboratory Director
Date: 10/28/2024



Sample ID: MS8060

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