



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

Certificate of Analysis

Client Name: Bragg Canna of Mississippi, LLC
License Number: CULV00949

Sample Name: Purple Queen
Sample ID: MS367
METRC ID (LOT#): 1A4230100000BB9000000087
Batch Number: 1A4230100000BB9000000065
Sample Matrix: Flower
Date Received: 4/5/2023
Date Reported: 4/9/2023

Sample Result: PASS



Cannabinoids PASS

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC) | Test ID: #2673

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0000	0.0001
CBD	ND	ND	ND	ND	0.0001	0.0001
CBDA	0.0701	0.701	0.0634	0.634	0.0000	0.0001
CBDV	ND	ND	ND	ND	0.0001	0.0001
CBG	0.1262	1.262	0.1141	1.141	0.0000	0.0001
CBGA	1.1168	11.168	1.0097	10.097	0.0002	0.0001
CBN	ND	ND	ND	ND	0.0001	0.0001
d8-THC	ND	ND	ND	ND	0.0002	0.0001
d9-THC	0.1676	1.676	0.1515	1.515	0.0000	0.0001
THCA	20.4622	204.622	18.4999	184.999	0.0000	0.0001
THCV	ND	ND	ND	ND	0.0000	0.0001

Total Cannabinoids				
	% (Dry)	mg/g (Dry)	%	mg/g
Total THC:	18.113	181.129	16.376	163.759
Total CBD:	0.061	0.615	0.056	0.556
Total Cannabinoids:	21.943	219.429	19.839	198.386

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



Sample ID: MS367

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: #2680

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
trans-Caryophyllene	0.2192	2.192	0.090	0.272
Limonene	0.1435	1.435	0.038	0.116
a-Humulene	0.114	1.14	0.046	0.141
Myrcene	0.0419	0.419	0.038	0.115
beta-Pinene	0.037	0.37	0.041	0.123
Linalool	0.033	0.33	0.047	0.143
a-Pinene	0.0255	0.255	0.020	0.060
a-Terpinolene	0.0211	0.211	0.022	0.068
cis-Ocimene	<LOQ	<LOQ	0.032	0.096
Camphene	<LOQ	<LOQ	0.057	0.172
trans-Ocimene	ND	ND	0.067	0.203
Nerolidol	ND	ND	0.044	0.134
Isopulegol	ND	ND	0.101	0.306
Guaiol	ND	ND	0.083	0.251
Geraniol	ND	ND	0.135	0.409
gamma-terpinene	ND	ND	0.033	0.099
Cineole	ND	ND	0.051	0.154
Carophyllene Oxide	ND	ND	0.139	0.422
alpha-Terpinene	ND	ND	0.015	0.045
a-Bisabolol	ND	ND	0.108	0.327
3-Carene	ND	ND	0.033	0.101
Total Terpenes	0.6352	6.352	NT	NT

Moisture PASS

Water Activity and Moisture Content Analysis | Test ID: #2609

Analyte	Result (%)	Limit	Pass/Fail
Moisture	9.59	15	PASS
Water Activity	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: #2675

Analyte	Pass/Fail	Result (ug/kg)	Limit	LOD (ug/kg)	LOQ (ug/kg)
Arsenic	Pass	ND	0	0.050	0.100
Cadmium	Pass	ND	0	0.050	0.100
Lead	Pass	ND	1	0.100	0.500
Mercury	Pass	ND	1	0.100	0.500



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Pesticides PASS

Residual pesticide analysis utilizing Liquid and Gas Chromatography – Mass Spectrometry (LC-MSMS + GC-MSMS) - Limit units: ug/g = ppm | Test ID: #2677

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
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
Fenproximate	PASS	ND	0.400	0.002	0.007
Fipronil	PASS	ND	0.400	0.008	0.023
Fonicamid	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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Mycotoxins PASS

Mycotoxins (LC-MSMS + GC-MSMS) - Limit units: ug/g = ppm | Test ID: #2676

Analyte	Pass/Fail	Result (µg/g)	Limit	LOD (µg/g)
Aflatoxin B1	PASS	ND	0.010	0.010
Aflatoxin B2	PASS	ND	0.010	0.010
Aflatoxin G1	PASS	ND	0.010	0.010
Aflatoxin G2	PASS	ND	0.010	0.010
Ochratoxin A	PASS	ND	0.010	0.010

Microbials PASS

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

Analyte	Results (CFU/g)	Limit (CFU/g)	Pass/Fail
Aspergillus	ND	Detectable in 1 gram	Pass
Salmonella	ND	Detectable in 1 gram	Pass
Shiga Toxin E.Coli	ND	Detectable in 1 gram	Pass
Total E.Coli	ND	100 CFU/g	Pass

Foreign Material PASS

Foreign Matter Inspection

Analyte	Pass/Fail
Foreign Matter	PASS

Ben Massey
 Laboratory Director
 Date: 4/9/2023



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