



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

Regulatory Compliance Testing Certificate of Analysis



Client Name: Gautier Agricultural Company

Client Address: 3100 Ladnier Road, Gautier, Ms 39553

License Number: CULV004130



Sample Name: Shake Shack 0.5g Pre-Rolls

Sample ID: MS15673

METRC ID (LOT#): 1A4230100003AFD000003747

Batch Number: 1A4230100003AFD000003721

Sample Matrix: Raw Preroll

Total Batch Size (#), Units in Batch (count):

Total Sample Weight (g), Units Sampled (count): 20

Sample Density(g/ml):

Servings Per Container (#):

Serving Mass (g):

Grams per Package:

Date Sampled: 11/17/2025

Date Received: 11/17/2025

Date Reported: 11/21/2025

Sample Result: PASS



Cannabinoids

PASS

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC) | Test ID: #127902

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	0.01	0.1	0.009	0.09	0.0174	0.0524
CBD	ND	ND	ND	ND	0.0255	0.0772
CBDA	0.075	0.75	0.0677	0.677	0.0283	0.0853
CBDV	ND	ND	ND	ND	0.0315	0.0960
CBG	0.0886	0.886	0.08	0.8	0.0258	0.0786
CBGA	0.588	5.88	0.5307	5.307	0.0273	0.0825
CBN	ND	ND	ND	ND	0.0248	0.0747
d8-THC	ND	ND	ND	ND	0.0202	0.0613
d9-THC	1.8822	18.822	1.6987	16.987	0.0205	0.0620
THCA	32.0447	320.447	28.9203	289.203	0.0212	0.0637
THCV	ND	ND	ND	ND	0.0251	0.0758

Total Cannabinoids		
	% (Dry)	mg/g (Dry)
Total THC:	30.0	299.854
Total CBD:	0.066	0.658
Total Cannabinoids:	30.665	306.655

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



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Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS) | Test ID: #127906

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
beta-Myrcene	0.7208	7.208	0.031	0.259
beta-Caryophyllene	0.3749	3.749	0.031	0.328
Total Bisabolene	0.293	2.93	0.007	0.055
(±)-Limonene	0.1613	1.613	0.031	0.245
alpha-Humulene	0.1207	1.207	0.031	0.281
(+) alpha-Pinene	0.0734	0.734	0.031	0.336
(-) beta-Pinene	0.0578	0.578	0.031	0.274
(-) alpha-Bisabolol	0.0545	0.545	0.031	0.400
Fenchyl Alcohol	0.0315	0.315	0.031	0.270
Total Terpineol	0.0285	0.285	0.007	0.078
(E)-beta-Ocimene	0.0103	0.103	0.010	0.097
Total Farnesene	< LOQ	< LOQ	0.022	0.073
Camphene	<LOQ	<LOQ	0.031	0.284
Sabinene	<LOQ	<LOQ	0.031	0.254
alpha-Phellandrene	<LOQ	<LOQ	0.031	0.279
(+)-3-delta-Carene	<LOQ	<LOQ	0.031	0.331
alpha-Terpinene	<LOQ	<LOQ	0.031	0.320
Eucalyptol	<LOQ	<LOQ	0.031	0.304
(Z)-beta-Ocimene	<LOQ	<LOQ	0.022	0.208
gamma-Terpinene	<LOQ	<LOQ	0.031	0.225
Sabinene Hydrate	<LOQ	<LOQ	0.031	0.356
Terpinolene	<LOQ	<LOQ	0.030	0.246
Fenchone	<LOQ	<LOQ	0.031	0.195
(-) Linalool	<LOQ	<LOQ	0.031	0.426
Camphor	<LOQ	<LOQ	0.063	0.426
Isoborneol	<LOQ	<LOQ	0.031	0.292
(±)-Borneol	<LOQ	<LOQ	0.063	0.695
Nerol	<LOQ	<LOQ	0.031	0.701
trans-Nerolidol	<LOQ	<LOQ	0.031	0.555
Caryophyllene Oxide	<LOQ	<LOQ	0.031	0.318
(±)-Isopulegol	ND	ND	0.031	0.408
Menthol	ND	ND	0.031	0.307
Pulegone	ND	ND	0.031	0.368
Geraniol	ND	ND	0.079	0.596
Geranyl Acetate	ND	ND	0.031	0.397
alpha-Cedrene	ND	ND	0.031	0.283
(+)-Valencene	ND	ND	0.031	0.342
cis-Nerolidol	ND	ND	0.031	0.521
Guaiol	ND	ND	0.031	0.320
Cedrol	ND	ND	0.031	0.318
Total Terpenes	1.9611	19.611		

Moisture

PASS

Water Activity and Moisture Content Analysis | Test ID: #127904

Analyte	Result	Limit	Pass/Fail
Moisture (%)	9.75	15	PASS
Water Activity (Aw)	0.49	0.65	PASS



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Heavy Metals

PASS

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS) - Limit units: $\mu\text{g/kg}$ | Test ID: #127903

Analyte	Pass/Fail	Result ($\mu\text{g/g}$)	Limit	LOD ($\mu\text{g/g}$)	LOQ ($\mu\text{g/g}$)
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	0.068	1.000	0.021	0.062
Mercury	Pass	ND	0.200	0.028	0.084
Nickel	Pass	ND	1.000	0.055	0.166



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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: #127907

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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Mycotoxins

PASS

Mycotoxins (LC-MS) - Limit units: ug/g = ppm | Test ID: #127905

Analyte	Pass/Fail	Result (µg/g)	Limit	LOD (µg/g)
Aflatoxin B1	PASS	ND	20.0	0.0007
Aflatoxin B2	PASS	ND	20.0	0.0004
Aflatoxin G1	PASS	ND	20.0	0.0004
Aflatoxin G2	PASS	ND	20.0	0.0006
Ochratoxin A	PASS	ND	20.0	0.0004

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 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	0	100 CFU/g	Pass

Foreign Material

Pass

Foreign Matter Inspection

Analyte	Pass/Fail
Foreign Matter	Pass

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
Lab Director
11/21/2025



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