



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: Coastal Crop LLC
Client Address: 33 Industrial Pkwy Rd, STE 1, Lumberton,
MS 39455
License Number: PROC002037



Sample Name: Northern Lights Vape Cart
Sample ID: MS5416
METRC ID (LOT#): 1A4230100006DC5000000053
Batch Number: 1A4230100006DC5000000045
Sample Matrix: Concentrate
Total Batch Size (#), Units in Batch (count):
Total Sample Weight (g), Units Sampled (count):
Sample Density(g/ml):
Servings Per Container (#):
Serving Mass (g):
Grams per Package:
Date Sampled: 5/3/2024
Date Received: 5/3/2024
Date Reported: 5/20/2024

Sample Result: PASS



Cannabinoids

PASS

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC) | Test ID: #41581

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	0.4358	4.358	0.0372	0.1123
CBD	0.4502	4.502	0.0546	0.1654
CBDA	0.028	0.28	0.0607	0.1828
CBDV	ND	ND	0.0675	0.2056
CBG	0.1428	1.428	0.0554	0.1684
CBGA	ND	ND	0.0584	0.1768
CBN	0.6913	6.913	0.0531	0.1601
d8-THC	0.2163	2.163	0.0432	0.1312
d9-THC	58.247	582.47	0.0440	0.1328
THCA	0.0724	0.724	0.0455	0.1366
THCV	ND	ND	0.0539	0.1623

Total Cannabinoids		
	%	mg/g
Total THC:	58.31	583.105
Total CBD:	0.47	4.748
Total Cannabinoids:	60.27	602.715

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: #41591

Analyte	%	mg/g	LOD (mg/g)	LOQ (mg/g)
Limonene	1.6632	16.632	0.006	0.018
Myrcene	0.9548	9.548	0.006	0.018
α -Terpinolene	0.946	9.46	0.003	0.011
trans-Caryophyllene	0.242	2.42	0.014	0.042
Linalool	0.2419	2.419	0.007	0.022
Carophyllene Oxide	0.2318	2.318	0.022	0.066
α -Humulene	0.205	2.05	0.007	0.022
α -Pinene	0.0893	0.893	0.003	0.009
Geraniol	0.0868	0.868	0.021	0.064
β -Pinene	0.0864	0.864	0.006	0.019
α -Bisabolol	0.0719	0.719	0.017	0.051
3-Carene	0.0518	0.518	0.005	0.016
Isopulegol	0.0441	0.441	0.016	0.048
trans-Nerolidol	0.0362	0.362	0.007	0.021
γ -terpinene	0.0328	0.328	0.005	0.015
Cineole	0.0277	0.277	0.008	0.024
Guaiol	0.0271	0.271	0.013	0.039
α -Terpinene	0.0267	0.267	0.002	0.007
Camphene	0.0256	0.256	0.009	0.027
trans-Ocimene	ND	ND	0.010	0.032
cis-Ocimene	ND	ND	0.005	0.015
cis-Nerolidol	ND	ND	0.007	0.021
Total Terpenes	5.0911	50.911		

Heavy Metals

PASS

Heavy metals analysis utilizing Inductively Coupled Plasma Mass Spectrometry (ICP-MS) - Limit units: $\mu\text{g/kg}$ | Test ID: #41583

Analyte	Pass/Fail	Result ($\mu\text{g/g}$)	Limit	LOD ($\mu\text{g/g}$)	LOQ ($\mu\text{g/g}$)
Arsenic	Pass	ND	0.400	0.060	0.200
Cadmium	Pass	ND	0.400	0.060	0.200
Lead	Pass	ND	1.000	0.160	0.500
Mercury	Pass	ND	1.200	0.200	0.600



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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: #41585

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	0.162	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	0.082	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	0.048	0.200	0.001	0.002
Phosmet	PASS	ND	0.200	0.001	0.004
Piperonyl Butoxide	PASS	1.039	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	0.043	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/kg = ppb | Test ID: #41584

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

Residual Solvents

Pass

Residual solvents and processing chemicals analysis utilizing Headspace Gas Chromatography – Mass Spectrometry (HS-GC-MS) - Limit units: µg/g | Test ID: #41590

Analyte	Pass/Fail	Result (µg/g)	Limit	LOD (µg/g)	LOQ (µg/g)
Propane	Pass	ND	5000	1278.38	4261.27
2-Methylpropane	Pass	ND	5000	1235.75	4119.16
n-Butane	Pass	ND	5000	1156.81	3856.02
Neopentane	Pass	ND	5000	978.62	3262.08
Methanol	Pass	ND	3000	383.71	1279.04
Isopentane	Pass	ND	5000	868.39	2894.64
n-Pentane	Pass	ND	5000	2169.76	7232.55
Ethanol	Pass	ND	5000	671.27	2237.58
Ethyl Ether	Pass	ND	5000	129.84	432.79
2,2-Dimethylbutane	Pass	ND	290	27.18	90.61
Acetone	Pass	ND	1000	133.96	446.54
Isopropanol	Pass	ND	5000	601.57	2005.22
Acetonitrile	Pass	ND	410	56.47	188.22
2,3-Dimethylbutane	Pass	ND	290	35.29	117.62
Dichloromethane	Pass	ND	600	68.05	226.84
2-Methylpentane	Pass	ND	290	27.99	93.29
3-Methylpentane	Pass	ND	290	36.35	121.17
n-Hexane	Pass	ND	290	31.87	106.23
Ethyl Acetate	Pass	ND	5000	677.97	2259.90
Chloroform	Pass	ND	60	5.74	19.14
Benzene	Pass	ND	2	0.26	0.86
Isopropyl Acetate	Pass	ND	5000	504.27	1680.91
n-Heptane	Pass	ND	5000	267.81	892.69
Toluene	Pass	ND	890	92.08	306.93
Ethyl Benzene	Pass	ND	2170	181.28	604.26
m,p-Xylene	Pass	ND	2170	355.44	1184.80
o-Xylene	Pass	ND	2710	182.16	607.20
Total Xylene	Pass	ND	2170	6.07	20.24

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 Flavus	ND	Detectable in 1 gram	Pass
Aspergillus Terrus	ND	Detectable in 1 gram	Pass
Salmonella	ND	Detectable in 1 gram	Pass
Shiga Toxin E.Coli	ND	None	Pass
Total E.Coli	ND	100 CFU/g	Pass



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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
5/20/2024



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