

790 Main St

Wareham, MA 02571 License #: IL281355

Phone: 508-295-2550



Customer: Trade Roots

Address:

6 Thatcher Lane Wareham MA 02571

Phone: 774-326-0077

License #: MP281436 & MC281262



Sample ID: 12576

Sample Name: Strawberry Bonnet- Bulk Sample Strain: Strawberry Bonnet

Sample Type: Flower **Received Date: 05/07/2024** Report Date: 05/12/2024

METRC ID: 1A40A0300006BD1000004761

METRC Source ID:

1A40A0300006BD1000004752 Client Batch ID: SBB-050124-B1 Client Sample Size: 6 g

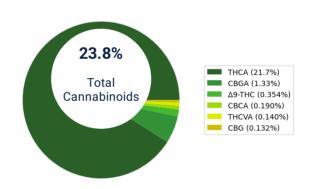
Certificate of Analysis



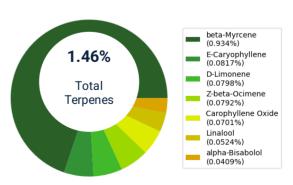
Results Summary

Cannabinoids	TESTED
5/08/2024	
erpenes Extended	TESTED
5/09/2024	
Heavy Metals	✓ PASS
05/08/2024	
Microbial Impurities	✓ PASS
05/11/2024	
Mycotoxins	✓ PASS
5/12/2024	
Pesticides	✓ PASS
5/12/2024	

Cannabinoid Distribution (%)



Terpene Distribution (%)



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Certificate of Analysis

Cannabinoids

Date Started: 05/07/2024Date Completed: 05/08/2024Analyst: Yuemin Wang KovaleffInstrument: UPLC-PDAMethod: TP-09.001.05 & TP-09.012.05Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
THCA	21.7	217	0.0945	0.590
CBGA	1.33	13.3	0.00231	0.0295
Δ9-THC	0.354	3.54	0.0109	0.0590
CBCA	0.190	1.90	0.00761	0.0236
THCVA	0.140	1.40	0.00251	0.0236
CBG	0.132	1.32	0.00256	0.0295
CBDVA	ND	ND	0.00397	0.0236
CBDV	ND	ND	0.0113	0.0236
CBDA	ND	ND	0.00372	0.0590
CBD	ND	ND	0.00457	0.0590
Δ9-THCV	ND	ND	0.00318	0.0236
Δ8-THCV	ND	ND	0.00576	0.0236
CBN	ND	ND	0.00404	0.0295
CBNA	ND	ND	0.00312	0.0236
Exo-THC	ND	ND	0.00472	0.0236
Δ8-THC	ND	ND	0.0103	0.0295
CBL	ND	ND	0.00699	0.0236
CBC	ND	ND	0.00280	0.0236
Total THC	19.4	194		
Total CBD	ND	ND		
Total Cannabinoids	23.8	238		

Total THC = Δ 9-THC + (THCA-A x 0.877) Total CBD = CBD + (CBDA x 0.877)

Total Cannabinoids = Sum of all cannabinoids without THC/CBD corrections.

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LOD = Limit of Detection; **LOQ** = Limit of Quantitation; **ND** = Not Detected.

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Certificate of Analysis

Terpenes Extended

Date Started: 05/07/2024 Date Completed: 05/09/2024 Analyst: Yuemin Wang Kovaleff

Instrument: GC-MS Method: TP-09.004.03 Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
beta-Myrcene	0.934	9.34	0.000992	0.00590
E-Caryophyllene	0.0817	0.817	0.00259	0.00590
D-Limonene	0.0798	0.798	0.00125	0.00590
Z-beta-Ocimene	0.0792	0.792	0.00239	0.00590
Carophyllene Oxide	0.0701	0.701	0.00134	0.00590
Linalool	0.0524	0.524	0.00180	0.00590
alpha-Bisabolol	0.0409	0.409	0.00219	0.00590
alpha-Humulene	0.0277	0.277	0.00128	0.00590
Guaiol	0.0253	0.253	0.00128	0.00590
beta-Pinene	0.0195	0.195	0.00122	0.00590
alpha-Terpineol	0.0168	0.168	0.00223	0.00590
Endo-Fenchyl Alcohol	0.00973	0.0973	0.00197	0.00590
alpha-Pinene	0.00824	0.0824	0.000496	0.00590
[+/-]-Borneol	<loq< td=""><td><loq< td=""><td>0.00228</td><td>0.0118</td></loq<></td></loq<>	<loq< td=""><td>0.00228</td><td>0.0118</td></loq<>	0.00228	0.0118
E-beta-Ocimene	<loq< td=""><td><loq< td=""><td>0.00244</td><td>0.00590</td></loq<></td></loq<>	<loq< td=""><td>0.00244</td><td>0.00590</td></loq<>	0.00244	0.00590
Terpinolene	<loq< td=""><td><loq< td=""><td>0.000737</td><td>0.00590</td></loq<></td></loq<>	<loq< td=""><td>0.000737</td><td>0.00590</td></loq<>	0.000737	0.00590
[+/-]-Fenchone	<loq< td=""><td><loq< td=""><td>0.00131</td><td>0.0118</td></loq<></td></loq<>	<loq< td=""><td>0.00131</td><td>0.0118</td></loq<>	0.00131	0.0118
Camphene	<loq< td=""><td><loq< td=""><td>0.000652</td><td>0.00590</td></loq<></td></loq<>	<loq< td=""><td>0.000652</td><td>0.00590</td></loq<>	0.000652	0.00590
gamma-Terpineol	ND	ND	0.00106	0.00590
Isopulegol	ND	ND	0.00286	0.00590
Nerol	ND	ND	0.00186	0.00590
Geraniol	ND	ND	0.00184	0.00590
Pulegone	ND	ND	0.00224	0.00590
Valencene	ND	ND	0.00156	0.00590
Z-Nerolidol	ND	ND	0.00160	0.00590
E-Nerolidol	ND	ND	0.00135	0.00590
Eucalyptol	ND	ND	0.00179	0.00590
Sabinene	ND	ND	0.00201	0.00590
alpha-Phellandrene	ND	ND	0.000921	0.00590
Sabinene Hydrate	ND	ND	0.00197	0.00590
Isoborneol	ND	ND	0.00127	0.00590
Menthol	ND	ND	0.00197	0.00590
alpha-Cedrene	ND	ND	0.00179	0.00590
Geranyl Acetate	ND	ND	0.00277	0.00590
Cedrol	ND	ND	0.00240	0.00590
[+,N,-]-Camphor	ND	ND	0.00436	0.0177
delta-3-Carene	ND	ND	0.00193	0.00590
alpha-Terpinene	ND	ND	0.00181	0.00590
gamma-Terpinene	ND	ND	0.00134	0.00590
Total Terpenes	1.46	14.6		

Heavy Metals



Date Started: 05/07/2024 **Date Completed: 05/08/2024** Analyst: Meagan Mattos

Instrument: ICP-MS Method: TP-09.007.01 Deviation: N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status	
Arsenic	ND	7.09	47.9	200	Pass	_
Cadmium	ND	4.26	47.9	200	Pass	
Lead	<loq< td=""><td>3.91</td><td>47.9</td><td>500</td><td>Pass</td><td></td></loq<>	3.91	47.9	500	Pass	
Mercury	ND	3.41	24.0	100	Pass	

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Certificate of Analysis

Microbial Impurities



Date Started: 05/07/2024 **Date Completed: 05/11/2024** Analyst: Meagan Mattos Instrument: TEMPO & Gene-Up Method: TP-09.010.01 & TP-09.011.01 Deviation: N/A

Microbials	Result (CFU/g)	Limit (CFU/g)	Status	
Coliforms	ND	1000	Pass	
Bile-Tolerant Gram-Negative Bacteria	ND	1000	Pass	
Yeast & Mold	2100	10000	Pass	
Aerobic Bacteria	ND	100000	Pass	
E.coli	ND		Pass	
Salmonella	ND		Pass	

Mycotoxins



PASS

Date Started: 05/08/2024 **Date Completed: 05/12/2024** Analyst: Eric Steele Instrument: LC-MS/MS Method: TP-09.009.04 Deviation: N/A

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	ND	1.90	4.68		
Aflatoxin B2	ND	0.377	3.51		
Aflatoxin G1	ND	0.391	3.51		
Aflatoxin G2	ND	0.993	4.68		
Ochratoxin A	ND	1.08	3.51		
Total Mycotoxins	ND	0.377	3.51	20.0	Pass

Pesticides





Date Started: 05/08/2024 Analyst: Yuemin Wang Kovaleff **Date Completed: 05/12/2024** Instrument: LC-MS/MS & GC-MS/MS Method: TP-09.008.02 & TP-09.009.04 **Deviation:** N/A

Pesticide	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Bifenazate	ND	0.581	3.51	10.0	Pass
Bifenthrin	ND	1.23	3.51	10.0	Pass
Cyfluthrin	ND	0.466	2.93	10.0	Pass
Etoxazole	ND	0.852	3.51	10.0	Pass
Imazalil	ND	0.876	3.51	10.0	Pass
Imidacloprid	ND	0.410	3.51	10.0	Pass
Myclobutanil	ND	0.963	3.51	10.0	Pass
Spiromesifen	ND	1.03	3.51	10.0	Pass
Trifloxystrobin	ND	0.541	3.51	10.0	Pass

Eric Steele, Lab Director 05/12/2024

END OF REPORT

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