



SMITHERS

Smithers AMS LLC
790 Main St
Wareham, MA 02571
License #: IL281355
Phone: 508-295-2550



Customer: Regenerative LLC
Address:
30 Noonan Way
Uxbridge MA 01569
Phone: 508-916-8447
License #: MC282958 / MP281966



Sample ID: 20935
Sample Name: Bulk - Rainbow Skittlez - Disposable Vape - 2g Liquid Diamond Blend
Sample Type: Vape
Received Date: 11/27/2024
Report Date: 12/05/2024
METRC ID: 1A40A0300009BDD000021396
METRC Source ID: 1A40A0300009BDD000022806
Client Batch ID: RS-LDB-242611
Client Sample Size: 3 each

Certificate of Analysis

Amended 12/05/2024



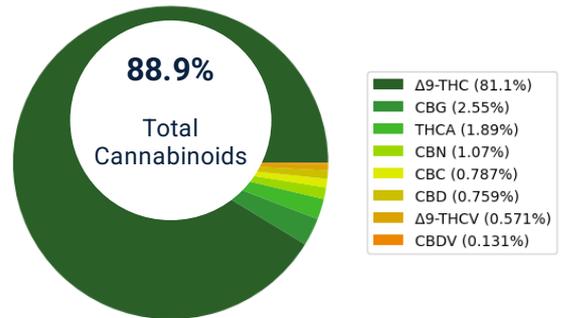
Results Summary

Cannabinoids	TESTED
12/04/2024	
Vitamin E Acetate	✓ PASS
12/04/2024	
Terpenes	TESTED
12/03/2024	
Heavy Metals	✓ PASS
12/04/2024	
Microbial Impurities	✓ PASS
12/03/2024	
Residual Solvents	✓ PASS
12/04/2024	
Mycotoxins	✓ PASS
12/04/2024	

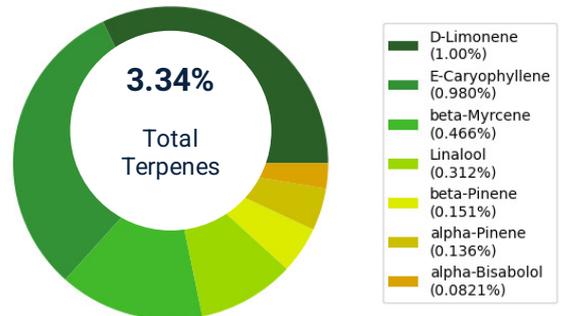
Amended Report Notes

Updated cannabinoid results.

Cannabinoid Distribution (%)



Terpene Distribution (%)



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Cannabinoids

Date Started: 12/02/2024
Instrument: UPLC-PDA

Date Completed: 12/04/2024
Method: TP-09.001.05 & TP-09.012.05

Analyst: Meagan Mattos
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
Δ9-THC	81.1	811	0.253	1.37
CBG	2.55	25.5	0.00594	0.0684
THCA	1.89	18.9	0.0219	0.137
CBN	1.07	10.7	0.00937	0.0684
CBC	0.787	7.87	0.00648	0.0547
CBD	0.759	7.59	0.0106	0.137
Δ9-THCV	0.571	5.71	0.00737	0.0547
CBDV	0.131	1.31	0.0261	0.0547
CBDVA	ND	ND	0.00920	0.0547
CBDA	ND	ND	0.00862	0.137
CBGA	ND	ND	0.00536	0.0684
Δ8-THCV	ND	ND	0.0133	0.0547
THCVA	ND	ND	0.00581	0.0547
CBNA	ND	ND	0.00722	0.0547
Exo-THC	ND	ND	0.0109	0.0547
Δ8-THC	ND	ND	0.0240	0.0684
CBL	ND	ND	0.0162	0.0547
CBCA	ND	ND	0.0176	0.0547
Total THC	82.8	828		
Total CBD	0.759	7.59		
Total Cannabinoids	88.9	889		

Total THC = Δ9-THC + (THCA x 0.877)
Total CBD = CBD + (CBDA x 0.877)
Total Cannabinoids = Sum of all cannabinoids without THC/CBD corrections.
LOD = Limit of Detection; **LOQ** = Limit of Quantitation; **ND** = Not Detected.

Vitamin E Acetate

PASS

Date Started: 12/02/2024
Instrument: HPLC-UV

Date Completed: 12/04/2024
Method: TP-09.006.01

Analyst: Eric Steele
Deviation: N/A

Analyte	Result (ppm)	LOD (ppm)	LOQ (ppm)	Status
Tocopheryl Acetate	ND	58.3	134	Pass

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Terpenes

Date Started: 12/02/2024
Instrument: GC-MS

Date Completed: 12/03/2024
Method: TP-09.004.03

Analyst: Garrett Lane
Deviation: N/A

Terpene	Result (%)	Result (mg/g)	LOD (%)	LOQ (%)
D-Limonene	1.00	10.0	0.00282	0.0134
E-Caryophyllene	0.980	9.79	0.00587	0.0134
beta-Myrcene	0.466	4.66	0.00224	0.0134
Linalool	0.312	3.12	0.00407	0.0134
beta-Pinene	0.151	1.51	0.00277	0.0134
alpha-Pinene	0.136	1.36	0.00112	0.0134
alpha-Bisabolol	0.0821	0.821	0.00495	0.0134
Terpinolene	0.0621	0.621	0.00167	0.0134
gamma-Terpinene	0.0290	0.290	0.00302	0.0134
Camphene	0.0259	0.259	0.00147	0.0134
alpha-Humulene	0.0252	0.252	0.00288	0.0134
Z-beta-Ocimene	0.0202	0.202	0.00541	0.0134
Carophyllene Oxide	0.0147	0.147	0.00302	0.0134
E-beta-Ocimene	<LOQ	<LOQ	0.00552	0.0134
Geraniol	<LOQ	<LOQ	0.00416	0.0134
delta-3-Carene	<LOQ	<LOQ	0.00436	0.0134
alpha-Terpinene	<LOQ	<LOQ	0.00409	0.0134
Isopulegol	ND	ND	0.00647	0.0134
Z-Nerolidol	ND	ND	0.00362	0.0134
E-Nerolidol	ND	ND	0.00304	0.0134
Guaiol	ND	ND	0.00291	0.0134
Eucalyptol	ND	ND	0.00405	0.0134
Total Terpenes	3.34	33.4		

Heavy Metals

✓ PASS

Date Started: 12/03/2024
Instrument: ICP-MS

Date Completed: 12/04/2024
Method: TP-09.007.01

Analyst: Meagan Mattos
Deviation: N/A

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Arsenic	ND	9.98	67.4	200	Pass
Cadmium	ND	5.99	67.4	200	Pass
Lead	ND	5.50	67.4	500	Pass
Mercury	ND	4.80	33.7	100	Pass

Microbial Impurities

✓ PASS

Date Started: 11/29/2024
Instrument: TEMPO & Gene-Up

Date Completed: 12/03/2024
Method: TP-09.010.01 & TP-09.011.01

Analyst: Lana Rivera
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	ND	10000	Pass
Aerobic Bacteria	ND	100000	Pass
E.coli	ND		Pass
Salmonella	ND		Pass

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Residual Solvents

✓ PASS

Date Started: 12/02/2024
Instrument: HS-GC-MS

Date Completed: 12/04/2024
Method: TP-09.005.03

Analyst: Garrett Lane
Deviation: N/A

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Status
n-Propane	ND	0.379	1.49	12.0	Pass
Iso-butane	<LOQ	0.249	1.49	12.0	Pass
n-Butane	ND	0.163	1.49	12.0	Pass
Methanol	ND	35.4	89.6	3000	Pass
Ethylene Oxide	ND	0.597	1.19		Pass
n-Pentane	ND	24.1	89.6	5000	Pass
Ethanol	ND	16.6	89.6	5000	Pass
Ethyl Ether	ND	22.6	89.6	5000	Pass
Acetone	ND	16.2	89.6	5000	Pass
Isopropyl Alcohol	ND	20.2	89.6	5000	Pass
Acetonitrile	ND	12.6	89.6	410	Pass
Methylene Chloride	ND	0.597	1.19	600	Pass
n-Hexane	ND	24.4	89.6	290	Pass
Ethyl Acetate	ND	14.0	89.6	5000	Pass
Chloroform	ND	0.597	1.19	60.0	Pass
1,2-Dichloroethane	ND	0.597	1.19	1870	Pass
Benzene	ND	0.597	1.19		Pass
n-Heptane	ND	26.1	89.6	5000	Pass
Trichloroethylene	ND	0.597	1.19	80.0	Pass
Toluene	ND	10.3	89.6	890	Pass
Total Xylenes	ND	17.7	44.8	2170	Pass

Mycotoxins

✓ PASS

Date Started: 12/02/2024
Instrument: LC-MS/MS

Date Completed: 12/04/2024
Method: TP-09.009.04

Analyst: Lana Rivera
Deviation: N/A

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	ND	2.13	5.24		
Aflatoxin B2	ND	0.421	3.93		
Aflatoxin G1	ND	0.437	3.93		
Aflatoxin G2	ND	1.11	5.24		
Ochratoxin A	ND	1.21	3.93		
Total Mycotoxins	ND	0.421	3.93	20.0	Pass

Eric Steele, Lab Director
12/05/2024

END OF REPORT

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