

## Blueberry Mutant Cake

 Sample ID: SA-220802-10927  
 Batch: MDBMCV12  
 Type: Finished Products  
 Matrix: Concentrate - Vape  
 Unit Mass (g):

 Received: 08/04/2022  
 Completed: 08/17/2022

**Client**  
 Melee Dose  
 7250 S Durango Dr, Ste 130 #346  
 Las Vegas, NV 89113  
 USA


### Summary

Test	Date Tested	Status
Cannabinoids	08/17/2022	Tested
Heavy Metals	08/12/2022	Tested
Mycotoxins	08/15/2022	Tested
Pesticides	08/15/2022	Tested
Residual Solvents	08/16/2022	Tested
Terpenes	08/11/2022	Tested

<b>0.0553 %</b>	<b>51.7 %</b>	<b>90.1 %</b>	<b>Not Tested</b>	<b>Not Tested</b>	<b>Yes</b>
Total Δ9-THC	(6aR,9S,10aR)-HHC	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Standard Normalization

### Cannabinoids by HPLC-PDA, LC-MS/MS, and/or GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	ND	ND
CBCA	0.0181	0.0543	ND	ND
CBCV	0.006	0.018	ND	ND
CBD	0.0081	0.0242	ND	ND
CBDA	0.0043	0.013	ND	ND
CBDV	0.0061	0.0182	ND	ND
CBDVA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	ND	ND
CBGA	0.0049	0.0147	ND	ND
CBL	0.0112	0.0335	ND	ND
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	0.0856	0.856
CBNA	0.006	0.0181	ND	ND
CBT	0.018	0.054	ND	ND
Δ6a,10a-THC	0.0067	0.02	0.0236	0.236
Δ8-THC	0.0104	0.0312	0.0581	0.581
Δ8-THC acetate	0.0067	0.02	0.0653	0.653
Δ9-THC	0.0076	0.0227	0.0553	0.553
Δ9-THC acetate	0.0067	0.02	ND	ND
Δ9-THCA	0.0084	0.0251	ND	ND
Δ9-THCV	0.0069	0.0206	ND	ND
Δ9-THCVA	0.0062	0.0186	ND	ND
(6aR,9R,10aR)-HHC	0.0067	0.02	38.2	382
(6aR,9S,10aR)-HHC	0.0067	0.02	51.7	517
<b>Total Δ9-THC</b>			<b>0.0553</b>	<b>0.553</b>
<b>Total CBD</b>			<b>ND</b>	<b>ND</b>
<b>Total</b>			<b>90.1</b>	<b>901</b>

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA \* 0.877 + Δ9-THC; Total CBD = CBDA \* 0.877 + CBD;



 Generated By: Ryan Bellone  
 Commercial Director  
 Date: 08/17/2022



 Tested By: Scott Caudill  
 Senior Scientist  
 Date: 08/17/2022

 ISO/IEC 17025:2017 Accredited  
 Accreditation #108651


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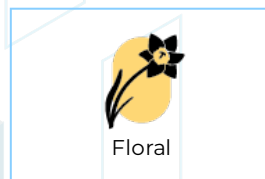
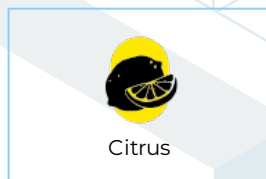
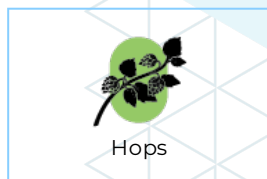
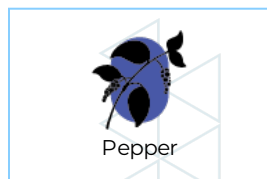
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## Terpenes by HS-GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Analyte	LOD (%)	LOQ (%)	Result (%)
α-Bisabolol	0.00100	0.00500	0.22651	Limonene	0.001	0.005	0.365503
(+)-Borneol	0.00100	0.00500	ND	Linalool	0.001	0.005	0.326951
Camphene	0.00100	0.00500	0.008904	β-myrcene	0.001	0.005	0.081577
Camphor	0.00100	0.00500	<LOQ	Nerol	0.001	0.005	ND
3-Carene	0.00100	0.00500	0.013161	cis-Nerolidol	0.001	0.005	ND
β-Caryophyllene	0.00100	0.00500	0.55787	trans-Nerolidol	0.001	0.005	ND
Caryophyllene Oxide	0.00100	0.00500	ND	Ocimene	0.001	0.005	0.008309
α-Cedrene	0.00100	0.00500	ND	α-Phellandrene	0.001	0.005	0.007955
Cedrol	0.00100	0.00500	ND	α-Pinene	0.001	0.005	0.028916
Eucalyptol	0.00100	0.00500	ND	β-Pinene	0.001	0.005	0.046836
Fenchone	0.00100	0.00500	ND	Pulegone	0.001	0.005	ND
Fenchyl Alcohol	0.00100	0.00500	0.097632	Sabinene	0.001	0.005	ND
Geraniol	0.00100	0.00500	ND	Sabinene Hydrate	0.001	0.005	ND
Geranyl Acetate	0.00100	0.00500	ND	α-Terpinene	0.001	0.005	<LOQ
Guaiol	0.00100	0.00500	ND	γ-Terpinene	0.001	0.005	ND
Hexahydrothymol	0.00100	0.00500	0.014706	α-Terpineol	0.001	0.005	0.045806
α-Humulene	0.00100	0.00500	0.266596	γ-Terpineol	0.001	0.005	0.014481
Isoborneol	0.00100	0.00500	ND	Terpinolene	0.001	0.005	0.0073
Isopulegol	0.00100	0.00500	ND	<b>Total Terpenes (%)</b>			<b>2.40</b>

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 Commercial Director  
 Date: 08/17/2022



 Tested By: Scott Caudill  
 Senior Scientist  
 Date: 08/11/2022


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## Heavy Metals by ICP-MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Arsenic	2	20	ND
Cadmium	1	20	ND
Lead	2	20	ND
Mercury	12	50	ND

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Tested By: Nicholas Howard  
 Scientist  
 Date: 08/12/2022



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## Pesticides by LC-MS/MS and GC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Acephate	30	100	ND	Hexythiazox	30	100	ND
Acetamiprid	30	100	ND	Imazalil	30	100	ND
Aldicarb	30	100	ND	Imidacloprid	30	100	ND
Azoxystrobin	30	100	ND	Kresoxim methyl	30	100	ND
Bifenazate	30	100	ND	Malathion	30	100	ND
Bifenthrin	30	100	ND	Metalaxyl	30	100	ND
Boscalid	30	100	ND	Methiocarb	30	100	ND
Carbaryl	30	100	ND	Methomyl	30	100	ND
Carbofuran	30	100	ND	Mevinphos	30	100	ND
Chloranthraniliprole	30	100	ND	Myclobutanil	30	100	ND
Chlorfenapyr	30	100	ND	Naled	30	100	ND
Chlorpyrifos	30	100	ND	Oxamyl	30	100	ND
Clofentezine	30	100	ND	Paclobutrazol	30	100	ND
Coumaphos	30	100	ND	Phosmet	30	100	ND
Cypermethrin	30	100	ND	Piperonyl Butoxide	30	100	ND
Diazinon	30	100	ND	Prallethrin	30	100	ND
Dichlorvos	30	100	ND	Propiconazole	30	100	ND
Dimethoate	30	100	ND	Propoxur	30	100	ND
Dimethomorph	30	100	ND	Pyrethrins	30	100	ND
Ethoprophos	30	100	ND	Pyridaben	30	100	ND
Etofenprox	30	100	ND	Spinetoram	30	100	ND
Etoxazole	30	100	ND	Spinosad	30	100	ND
Fenhexamid	30	100	ND	Spiromesifen	30	100	ND
Fenoxycarb	30	100	ND	Spirotetramat	30	100	ND
Fenpyroximate	30	100	ND	Spiroxamine	30	100	ND
Fipronil	30	100	ND	Tebuconazole	30	100	ND
Fonicamid	30	100	ND	Thiacloprid	30	100	ND
Fludioxonil	30	100	ND	Thiamethoxam	30	100	ND
				Trifloxystrobin	30	100	ND

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 Tested By: Jasper van Heemst  
 Principal Scientist  
 Date: 08/15/2022


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## Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
B1	1	5	ND
B2	1	5	ND
G1	1	5	ND
G2	1	5	ND

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 Tested By: Jasper van Heemst  
 Principal Scientist  
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## Residual Solvents by HS-GC-MS/MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	500	ND	Ethylene Glycol	21	62	ND
Acetonitrile	14	41	ND	Ethylene Oxide	0.5	1	ND
Benzene	0.5	1	ND	Heptane	167	500	ND
Butane	167	500	ND	n-Hexane	10	29	ND
1-Butanol	167	500	ND	Isobutane	167	500	ND
2-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanone	167	500	ND	Isopropyl Alcohol	167	500	ND
Chloroform	2	6	ND	Isopropylbenzene	167	500	ND
Cyclohexane	129	388	ND	Methanol	100	300	ND
1,2-Dichloroethane	0.5	1	ND	2-Methylbutane	10	29	ND
1,2-Dimethoxyethane	4	10	ND	Methylene Chloride	20	60	ND
Dimethyl Sulfoxide	167	500	ND	2-Methylpentane	10	29	ND
N,N-Dimethylacetamide	37	109	ND	3-Methylpentane	10	29	ND
2,2-Dimethylbutane	10	29	ND	n-Pentane	167	500	ND
2,3-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
N,N-Dimethylformamide	30	88	ND	n-Propane	167	500	ND
2,2-Dimethylpropane	167	500	ND	1-Propanol	167	500	ND
1,4-Dioxane	13	38	ND	Pyridine	7	20	ND
Ethanol	167	500	ND	Tetrahydrofuran	24	72	ND
2-Ethoxyethanol	6	16	ND	Toluene	30	89	ND
Ethyl Acetate	167	500	ND	Trichloroethylene	3	8	ND
Ethyl Ether	167	500	ND	Tetramethylene Sulfone	6	16	ND
Ethylbenzene	3	7	ND	Xylenes (o-, m-, and p-)	73	217	ND

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 Senior Scientist  
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