

Certificate of Analysis For:

The Flowery

Laboratory ID:

HG27012-02

Sample Name:

1000112930

Cultivation Facility:	<i>Homestead</i>
Processing Facility:	<i>Homestead</i>
Cultivar:	<i>Citrus Mash</i>
Batch Name:	<i>1000112930</i>
Batch Date:	<i>07/25/2023</i>
Batch Size:	<i>510 g</i>
Batch Unit Size:	<i>1 g</i>
Batch Units Sampled:	<i>16</i>
Total Amt. Sampled:	<i>16 g</i>
Sample Matrix:	<i>Vape</i>
Administration Route:	<i>Inhalation</i>
Product Name:	<i>INFUSED DISTILLATE CART</i>



The Flowery

30003 SW 197th Ave. Homestead, FL 33030

1000112930

Sample Alias: *Citrus Mash*
Sample Date: 07/26/23
Sample Matrix: Vape

Lab ID: **HG27012-02**
Received: 07/26/23 18:22
Completed: 07/29/23 13:01

POTENCY DETAILS

delta 9-THC

83.2%

CBD

0.287%

CBN

0.357%

THCa

<LOQ%

CBDa

<LOQ%

delta 8-THC

<LOQ%

CBGa

<LOQ%

THCV

0.459%

CBDV

<LOQ%

CBC

0.460%

CBG

2.69%

Total THC
83.2% (832 mg)

Total CBD
0.287% (2.87 mg)

Total Active Cannabinoids
87.5% (875 mg)

Total CBG
2.69% (26.9 mg)

Total CBN
0.357% (3.57 mg)

TERPENES

Analyte	%
beta-Myrcene	3.12
d-Limonene	2.65
beta-Caryophyllene	0.378
Linalool	0.135
Ocimene, Total	0.128
alpha-Humulene	0.0961
beta-Pinene	0.0785
alpha-Pinene	0.0683
alpha-Bisabolol	0.0590
Caryophyllene oxide	0.0441
Fenchyl Alcohol	0.0279
alpha-Terpineol	0.0267
Terpinolene	0.0218
Camphene	0.0151

ANALYSIS SUMMARY

Potency	Completed	Foreign Matter	PASS
Heavy Metals	PASS	Homogeneity	Not Tested
Microbials	PASS	Water Activity	PASS
Mycotoxins	PASS	Pesticides	PASS
% Moisture	Not Tested	Residual Solvents	PASS
Terpenes	Completed		

Total Terpenes: 6.85%

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limits, please visit: www.moderncanna.com/modern-canna-reporting-limits/

LOQ = Limit of Quantification

ND = Non-Detect

RPD = Relative Percent Difference

MDL = Method Detection Limit

PQL = Practical Quantitation Limit

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Lab ID: **HG27012-02**
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Potency by HPLC

Batch: B3G2701
 SOP: MCS-SOP-002

Prep By: 1057
 Prep On: 7/27/23 09:27

Ana. By: 1022
 Ana. On: 7/27/23 19:23

Initial (g): 0.1017
 Final (g): 10

Analyte (%)	Result	Diln	MDL	PQL	Analyte (%)	Result	Diln	MDL	PQL
Total THC	83.2	100	0.127	0.983	Total CBD	0.287	1	0.002	0.010
delta 8-THC	ND	1	0.001	0.010	delta 9-THC	83.2	100	0.068	0.983
THCa	ND	1	0.001	0.010	THCV	0.459	1	0.001	0.010
CBD	0.287	1	0.001	0.010	CBDa	ND	1	0.001	0.010
CBDV	ND	1	0.001	0.010	CBC	0.460	1	0.003	0.010
CBG	2.69	100	0.062	0.983	CBGa	ND	1	0.001	0.010
CBN	0.357	1	0.001	0.010					

Terpene Screen by GC/MS

Batch: B3G2705
 SOP: MCS-SOP-004

Prep By: 1055
 Prep On: 7/27/23 10:30

Ana. By: 1050
 Ana. On: 7/27/23 19:35

Initial (g): 0.1037
 Final (g): 10

Analyte (%)	Result	Diln	MDL	PQL	Analyte (%)	Result	Diln	MDL	PQL
alpha-Pinene	0.0683	1	0.005	0.010	Camphene	0.0151	1	0.005	0.010
beta-Pinene	0.0785	1	0.005	0.010	3-Carene	ND	1	0.005	0.010
alpha-Terpinene	ND	1	0.005	0.010	Camphor	ND	1	0.005	0.010
d-Limonene	2.65	1	0.005	0.010	1,8-Cineole (Eucalyptol)	ND	1	0.005	0.010
gamma-Terpinene	ND	1	0.005	0.010	Terpinolene	0.0218	1	0.005	0.010
Isopulegol	ND	1	0.005	0.010	Linalool	0.135	1	0.005	0.010
Geraniol	ND	1	0.005	0.010	beta-Caryophyllene	0.378	1	0.005	0.010
alpha-Humulene	0.0961	1	0.005	0.010	cis-Nerolidol	ND	1	0.005	0.010
Caryophyllene oxide	0.0441	1	0.005	0.010	(+/-)-Fenchone	ND	1	0.005	0.010
(+/-)-Borneol	ND	1	0.005	0.010	(+)-Pulegone	ND	1	0.005	0.010
Cedrol	ND	1	0.005	0.010	Geranyl Acetate	ND	1	0.005	0.010
alpha-Bisabolol	0.0590	1	0.005	0.010	alpha-Phellandrene	ND	1	0.005	0.010
alpha-Terpineol	0.0267	1	0.005	0.010	Nerol	ND	1	0.005	0.010
Sabinene	ND	1	0.005	0.010	Valencene	ND	1	0.005	0.010
beta-Myrcene	3.12	1	0.005	0.010	Sabinene Hydrate	ND	1	0.005	0.010
alpha-Cedrene	ND	1	0.005	0.010	Fenchyl Alcohol	0.0279	1	0.005	0.010
Guaiol	ND	1	0.005	0.010	trans-Nerolidol	ND	1	0.005	0.010
Isoborneol	ND	1	0.005	0.010	Ocimene, Total	0.128	1	0.005	0.010
gamma-Terpineol	ND	1	0.005	0.010	Menthol	ND	1	0.005	0.010

1000112930

Sample Alias: *Citrus Mash*
 Sample Date: 07/26/2023
 Sample Matrix: Vape

Lab ID: **HG27012-02**
 Received: 07/26/23 18:22
 Completed: 07/29/23 13:01

Pesticides by LC-QQQ

Batch: B3G2703
 SOP: MCS-SOP-001b

Prep By: 1067
 Prep On: 7/27/23 10:37

Ana. By: 1056
 Ana. On: 7/27/23 19:53

Initial (g): 0.1036
 Final (g): 5

Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL
Abamectin, Total	ND	10	100	17.471	48.263	Acephate	ND	10	100	11.969	48.263
Acequinocyl	ND	10	100	7.143	48.263	Acetamiprid	ND	10	100	6.178	48.263
Aldicarb	ND	10	100	18.147	48.263	Azoxystrobin	ND	10	100	8.880	24.131
Bifenazate	ND	10	100	9.170	24.131	Bifenthrin	8.04	10	100	7.432	48.263
Boscalid	ND	10	100	28.185	48.263	Chlorpyrifos	ND	10	100	8.205	24.131
Carbaryl	ND	10	500	15.058	48.263	Carbofuran	ND	10	100	7.143	12.066
Chlorantraniliprole	ND	10	1000	15.444	120.656	Chlormequat chloride	ND	10	1000	5.985	48.263
Clofentezine	ND	10	200	9.459	96.525	Coumaphos	ND	10	100	13.127	24.131
Cyfluthrin	ND	10	500	74.035	193.050	Cypermethrin	ND	10	500	18.533	120.656
Daminozide	ND	10	100	15.058	48.263	Diazinon	ND	10	100	5.309	24.131
Dichlorvos	ND	10	100	19.208	48.263	Dimethoate	ND	10	100	2.220	12.066
Dimethomorph, Total	ND	10	200	5.888	48.263	Ethoprophos	ND	10	100	10.232	12.066
Etofenprox	ND	10	100	8.012	48.263	Etoxazole	ND	10	100	7.143	48.263
Fenhexamid	ND	10	100	9.556	48.263	Fenoxycarb	ND	10	100	8.687	24.131
Fenpyroximate	ND	10	100	4.344	48.263	Fipronil	ND	10	100	22.876	48.263
Flonicamid	ND	10	100	8.108	48.263	Fludioxonil	ND	10	100	16.988	48.263
Hexythiazox	ND	10	100	5.888	48.263	Imazalil	ND	10	100	10.328	48.263
Imidacloprid	ND	10	400	8.784	96.525	Kresoxim-Methyl	ND	10	100	8.591	48.263
Malathion	ND	10	200	28.185	48.263	Metalaxyl	ND	10	100	9.556	48.263
Methiocarb	ND	10	100	17.664	48.263	Methomyl	ND	10	100	3.764	24.131
Mevinphos	ND	10	100	10.232	48.263	Myclobutanil	ND	10	100	13.803	48.263
Dibrom (Naled)	ND	10	250	18.436	48.263	Oxamyl	ND	10	250	4.054	12.066
Paclobutrazol	ND	10	100	14.189	48.263	Permethrin	ND	10	100	7.722	48.263
Phosmet	ND	10	100	8.687	48.263	Piperonyl butoxide	40.4	10	3000	3.958	48.263
Prallethrin	ND	10	100	11.293	24.131	Propiconazole (Tilt)	ND	10	100	8.687	48.263
Pyridaben	ND	10	200	2.992	48.263	Pyrethrins, Total	ND	10	500	10.425	48.263
Spinetoram, Total	ND	10	200	6.467	48.263	Spiromesifen	ND	10	100	7.046	12.066
Spirotetramat	ND	10	100	8.494	48.263	Spiroxamine	ND	10	100	4.826	48.263
Tebuconazole	ND	10	100	7.625	48.263	Thiacloprid	ND	10	100	3.185	48.263
Thiamethoxam	ND	10	500	4.344	96.525	Trifloxystrobin	ND	10	100	7.915	48.263
Baygon (Propoxur)	ND	10	100	5.695	48.263	Spinosad, Total	ND	10	100	8.591	34.990

Mycotoxins by LC-QQQ

Batch: B3G2703
 SOP: MCS-SOP-001b

Prep By: 1067
 Prep On: 7/27/23 10:37

Ana. By: 1056
 Ana. On: 7/28/23 02:55

Initial (g): 0.1036
 Final (g): 5

Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL
Aflatoxin, Total	ND	10	20	5.676	9.653	Ochratoxin A	ND	10	20	4.865	9.653
Aflatoxin G2	ND	10	20	14.382	19.305	Aflatoxin G1	ND	10	20	6.255	14.479
Aflatoxin B2	ND	10	20	7.490	14.479	Aflatoxin B1	ND	10	20	5.676	9.653

Pesticides by GC-QQQ

Batch: B3G2703
 SOP: MCS-SOP-001a

Prep By: 1067
 Prep On: 7/27/23 10:37

Ana. By: 1062
 Ana. On: 7/27/23 21:07

Initial (g): 0.1036
 Final (g): 5

Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL
Pentachloronitrobenzene (quintozone)	ND	5	150	33.060	72.394	Methyl parathion	ND	5	100	16.506	72.394
Captan	ND	5	700	47.539	72.394	Chlordane, Total	ND	5	100	37.645	72.394
Chlorfenapyr	ND	5	100	42.085	72.394						

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Microbials by qPCR

Batch: B3G2636
 SOP: MCS-SOP-M01

Prep By: 1053
 Prep On: 7/27/23 10:22

Ana. By: 1069
 Ana. On: 7/28/23 11:31

Initial (g): 0.2541
 Final (g): 0.6

Analyte (CFU)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (CFU)	Result	Diln	Reg. Limit	MDL	PQL
Aspergillus flavus	Absent	1	1	1.000	1.000	Aspergillus fumigatus	Absent	1	1	1.000	1.000
Aspergillus niger	Absent	1	1	1.000	1.000	Aspergillus terreus	Absent	1	1	1.000	1.000
Aspergillus Total	Absent	1	1	1.000	1.000	Salmonella	Absent	1	1	1.000	1.000
Shiga Toxin E.coli	Absent	1	1	1.000	1.000						

Quantitative Microbials by qPCR

Batch: B3G2637
 SOP: MCS-SOP-M01

Prep By: 1053
 Prep On: 7/27/23 11:48

Ana. By: 1058
 Ana. On: 7/27/23 13:28

Initial (g): 0.2527
 Final (g): 1.75

Analyte (CFU)	Result	Diln	Reg. Limit	MDL	PQL
Yeast & Mold	Absent	8	100000	1000	1000

Total Metals by ICP-MS

Batch: B3G2707
 SOP: MCS-SOP-I01

Prep By: 1029
 Prep On: 7/27/23 10:18

Ana. By: 1005
 Ana. On: 7/28/23 13:12

Initial (g): 0.252
 Final (g): 30

Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (ug/kg)	Result	Diln	Reg. Limit	MDL	PQL
Arsenic	ND	1	200	23.810	119.048	Cadmium	ND	1	200	23.810	119.048
Lead	ND	1	500	59.524	297.619	Mercury	ND	1	200	23.810	59.524

Residual Solvents by GC/MS-HS

Batch: B3G2807
 SOP: MCS-SOP-O03

Prep By: 1028
 Prep On: 7/28/23 12:19

Ana. By: 1028
 Ana. On: 7/28/23 18:18

Initial (g): 0.0208
 Final (g): 20

Analyte (mg/kg)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (mg/kg)	Result	Diln	Reg. Limit	MDL	PQL
Propane	ND	1	5000	96.154	240.385	n-Butane	ND	1	5000	96.154	240.385
Methanol	ND	1	250	24.038	96.154	Ethylene Oxide	ND	1	5	0.481	2.404
Ethanol	ND	1	5000	480.769	576.923	Pentane	ND	1	750	72.115	240.385
Ethyl Ether	ND	1	500	48.077	240.385	Acetone	ND	1	750	72.115	240.385
1,1-Dichloroethylene	ND	1	8	0.295	1.442	Isopropyl Alcohol (2-Propanol)	ND	1	500	48.077	240.385
Acetonitrile	ND	1	60	5.769	28.846	Methylene Chloride	ND	1	125	12.019	48.077
Hexane	ND	1	250	24.038	120.192	Ethyl Acetate	ND	1	400	38.462	192.308
Chloroform	ND	1	2	0.133	0.962	1,2-Dichloroethane	ND	1	2	0.173	0.962
Benzene	ND	1	1	0.055	0.096	Heptane	ND	1	5000	96.154	240.385
Trichloroethene (Trichloroethylene)	ND	1	25	2.404	12.019	Toluene	ND	1	150	14.423	72.115
m/p-Xylenes	ND	1	100	7.212	28.846	o-xylene	ND	1	50	7.212	28.846

Water Activity by REH

Batch: B3G2708
 SOP: MCS-SOP-G03

Prep By: 1030
 Prep On: 7/27/23 10:49

Ana. By: 1048
 Ana. On: 7/28/23 09:06

Initial (g): 0.1037
 Final (g): 0.1

Analyte (Aw)	Result	Diln	Reg. Limit	MDL	PQL
Activity of Water (Aw)	0.38	1	0.85	0.040	0.040

Foreign Matter

Batch: B3G2723
 SOP: MCS-SOP-G01

Prep By: 1035
 Prep On: 7/27/23 11:01

Ana. By: 1047
 Ana. On: 7/27/23 11:30

Initial (g): 1
 Final (g): 1

Analyte (P/A)	Result	Diln	Reg. Limit	MDL	PQL
Foreign Matter	Absent	1	1	1.000	1.000