

Certificate of Analysis For:

## The Flowery

Laboratory ID:

**HJ31016-02**

Sample Name:

**1000141029**

<b>Cultivation Facility:</b>	<i>Homestead</i>
<b>Processing Facility:</b>	<i>Homestead</i>
<b>Cultivar:</b>	<i>Orangeade</i>
<b>Batch Name:</b>	<i>1000141029</i>
<b>Batch Date:</b>	<i>10/30/2023</i>
<b>Batch Size:</b>	<i>190 g</i>
<b>Batch Unit Size:</b>	<i>0.5 g</i>
<b>Batch Units Sampled:</b>	<i>31</i>
<b>Total Amt. Sampled:</b>	<i>15.5 g</i>
<b>Sample Matrix:</b>	<i>Pod</i>
<b>Administration Route:</b>	<i>Inhalation</i>
<b>Product Name:</b>	<i>710 POD - PERSY ROSIN</i>



## The Flowery

30003 SW 197th Ave. Homestead, FL 33030

**1000141029**

Sample Alias: *Orangeade*  
Sample Date: 10/31/23  
Sample Matrix: Pod

Lab ID: **HJ31016-02**  
Received: 10/31/23 16:27  
Completed: 11/03/23 10:00

### POTENCY DETAILS

delta 9-THC

72.7%

CBD

0.128%

CBN

0.0432%

THCa

3.72%

CBDa

0.0378%

delta 8-THC

<LOQ%

CBGa

1.25%

THCV

0.414%

CBDV

<LOQ%

CBC

0.535%

CBG

5.00%

Total THC  
**76.0% (380 mg)**

Total CBD  
**0.162% (0.810 mg)**

Total Active Cannabinoids  
**83.8% (419 mg)**

Total CBG  
**6.10% (30.5 mg)**

Total CBN  
**0.0432% (0.216 mg)**

### TERPENES

Analyte	%
d-Limonene	1.60
beta-Caryophyllene	0.968
beta-Myrcene	0.837
Linalool	0.393
alpha-Humulene	0.304
alpha-Pinene	0.165
alpha-Bisabolol	0.146
Fenchyl Alcohol	0.116
alpha-Terpineol	0.0931
(+/-)-Borneol	0.0395
Camphene	0.0328
Terpinolene	0.0297
beta-Pinene	0.0294

### 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: 4.75%**

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limits, please visit: [www.moderncanna.com/modern-canna-reporting-limits/](http://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

1000141029

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Lab ID: **HJ31016-02**  
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 Completed: 11/03/23 10:00

## Potency by HPLC

Batch: B3J3125  
 SOP: MCS-SOP-002

Prep By: 1044  
 Prep On: 11/1/23 09:45

Ana. By: 1022  
 Ana. On: 11/1/23 23:10

Initial (g): 0.1047  
 Final (g): 10

Analyte ( % )	Result	Diln	MDL	PQL	Analyte ( % )	Result	Diln	MDL	PQL
Total THC	76.0	100	0.123	0.955	Total CBD	0.162	1	0.002	0.010
delta 8-THC	ND	1	0.001	0.010	delta 9-THC	72.7	100	0.066	0.955
THCa	3.72	100	0.065	0.955	THCV	0.414	1	0.001	0.010
CBD	0.128	1	0.001	0.010	CBDa	0.0378	1	0.001	0.010
CBDV	ND	1	0.001	0.010	CBC	0.535	1	0.003	0.010
CBG	5.00	100	0.060	0.955	CBGa	1.25	100	0.061	0.955
CBN	0.0432	1	0.001	0.010					

## Terpene Screen by GC/MS

Batch: B3J3129  
 SOP: MCS-SOP-004

Prep By: 1055  
 Prep On: 11/1/23 12:13

Ana. By: 1050  
 Ana. On: 11/1/23 20:09

Initial (g): 0.1029  
 Final (g): 10

Analyte ( % )	Result	Diln	MDL	PQL	Analyte ( % )	Result	Diln	MDL	PQL
alpha-Pinene	0.165	1	0.005	0.010	Camphene	0.0328	1	0.005	0.010
beta-Pinene	0.0294	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	1.60	1	0.005	0.010	1,8-Cineole (Eucalyptol)	ND	1	0.005	0.010
gamma-Terpinene	ND	1	0.005	0.010	Terpinolene	0.0297	1	0.005	0.010
Isopulegol	ND	1	0.005	0.010	Linalool	0.393	1	0.005	0.010
Geraniol	ND	1	0.005	0.010	beta-Caryophyllene	0.968	1	0.005	0.010
alpha-Humulene	0.304	1	0.005	0.010	cis-Nerolidol	ND	1	0.005	0.010
Caryophyllene oxide	ND	1	0.005	0.010	(+/-)-Fenchone	ND	1	0.005	0.010
(+/-)-Borneol	0.0395	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	0.146	1	0.005	0.010	alpha-Phellandrene	ND	1	0.005	0.010
alpha-Terpineol	0.0931	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	0.837	1	0.005	0.010	Sabinene Hydrate	ND	1	0.005	0.010
alpha-Cedrene	ND	1	0.005	0.010	Fenchyl Alcohol	0.116	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	ND	1	0.005	0.010
gamma-Terpineol	ND	1	0.005	0.010	Menthol	ND	1	0.005	0.010

1000141029

Sample Alias: **Orangeade**  
 Sample Date: 10/31/2023  
 Sample Matrix: Pod

Lab ID: **HJ31016-02**  
 Received: 10/31/23 16:27  
 Completed: 11/03/23 10:00

## Pesticides by LC-QQQ

Batch: B3J3127  
 SOP: MCS-SOP-001b

Prep By: 1030  
 Prep On: 11/1/23 11:52

Ana. By: 1056  
 Ana. On: 11/1/23 20:13

Initial (g): 0.1032  
 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	17.539	48.450	Acephate	ND	10	100	12.015	48.450
Acequinocyl	ND	10	100	7.171	48.450	Acetamiprid	ND	10	100	6.202	48.450
Aldicarb	ND	10	100	18.217	48.450	Azoxystrobin	ND	10	100	8.915	24.225
Bifenazate	ND	10	100	9.205	24.225	Bifenthrin	ND	10	100	7.461	48.450
Boscalid	ND	10	100	28.295	48.450	Chlorpyrifos	ND	10	100	8.236	24.225
Carbaryl	ND	10	500	15.116	48.450	Carbofuran	ND	10	100	7.171	12.112
Chlorantraniliprole	ND	10	1000	15.504	121.124	Chlormequat chloride	ND	10	1000	6.008	48.450
Clofentezine	ND	10	200	9.496	96.899	Coumaphos	ND	10	100	13.178	24.225
Cyfluthrin	ND	10	500	74.322	193.798	Cypermethrin	ND	10	500	18.605	121.124
Daminozide	ND	10	100	15.116	48.450	Diazinon	ND	10	100	5.329	24.225
Dichlorvos	ND	10	100	19.283	48.450	Dimethoate	ND	10	100	2.229	12.112
Dimethomorph, Total	ND	10	200	5.911	48.450	Ethoprophos	ND	10	100	10.271	12.112
Etofenprox	ND	10	100	8.043	48.450	Etoazole	ND	10	100	7.171	48.450
Fenhexamid	ND	10	100	9.593	48.450	Fenoxycarb	ND	10	100	8.721	24.225
Fenpyroximate	ND	10	100	4.360	48.450	Fipronil	ND	10	100	22.965	48.450
Flonicamid	ND	10	100	8.140	48.450	Fludioxonil	ND	10	100	17.054	48.450
Hexythiazox	ND	10	100	5.911	48.450	Imazalil	ND	10	100	10.368	48.450
Imidacloprid	ND	10	400	8.818	96.899	Kresoxim-Methyl	ND	10	100	8.624	48.450
Malathion	ND	10	200	28.295	48.450	Metalaxyl	ND	10	100	9.593	48.450
Methiocarb	ND	10	100	17.733	48.450	Methomyl	ND	10	100	3.779	24.225
Mevinphos	ND	10	100	10.271	48.450	Myclobutanil	ND	10	100	13.857	48.450
Dibrom (Naled)	ND	10	250	18.508	48.450	Oxamyl	ND	10	250	4.070	12.112
Paclobutrazol	ND	10	100	14.244	48.450	Permethrin	ND	10	100	7.752	48.450
Phosmet	ND	10	100	8.721	48.450	Piperonyl butoxide	ND	10	3000	3.973	48.450
Prallethrin	ND	10	100	11.337	24.225	Propiconazole (Tilt)	ND	10	100	8.721	48.450
Pyridaben	ND	10	200	3.004	48.450	Pyrethrins, Total	ND	10	500	10.465	48.450
Spinetoram, Total	ND	10	200	6.492	48.450	Spiromesifen	ND	10	100	7.074	12.112
Spirotetramat	ND	10	100	8.527	48.450	Spiroxamine	ND	10	100	4.845	48.450
Tebuconazole	ND	10	100	7.655	48.450	Thiacloprid	ND	10	100	3.198	48.450
Thiamethoxam	ND	10	500	4.360	96.899	Trifloxystrobin	ND	10	100	7.946	48.450
Baygon (Propoxur)	ND	10	100	5.717	48.450	Spinosad, Total	ND	10	100	8.624	35.126

## Mycotoxins by LC-QQQ

Batch: B3J3127  
 SOP: MCS-SOP-001b

Prep By: 1030  
 Prep On: 11/1/23 11:52

Ana. By: 1056  
 Ana. On: 11/2/23 02:50

Initial (g): 0.1032  
 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	5.698	9.690	Ochratoxin A	ND	10	20	4.884	9.690
Aflatoxin G2	ND	10	20	14.438	19.380	Aflatoxin G1	ND	10	20	6.279	14.535
Aflatoxin B2	ND	10	20	7.519	14.535	Aflatoxin B1	ND	10	20	5.698	9.690

## Pesticides by GC-QQQ

Batch: B3J3127  
 SOP: MCS-SOP-001a

Prep By: 1030  
 Prep On: 11/1/23 11:52

Ana. By: 1039  
 Ana. On: 11/1/23 21:21

Initial (g): 0.1032  
 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	33.188	72.674	Methyl parathion	ND	5	100	16.570	72.674
Captan	ND	5	700	47.723	72.674	Chlordane, Total	ND	5	100	37.791	72.674
Chlorfenapyr	ND	5	100	42.248	72.674						

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 Completed: 11/03/23 10:00

**Microbials by qPCR**

Batch: B3J3119  
 SOP: MCS-SOP-M01

Prep By: 1058  
 Prep On: 11/1/23 09:20

Ana. By: 1058  
 Ana. On: 11/2/23 10:49

Initial (g): 0.2531  
 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: B3J3120  
 SOP: MCS-SOP-M01

Prep By: 1005  
 Prep On: 11/1/23 11:18

Ana. By: 1069  
 Ana. On: 11/1/23 12:37

Initial (g): 0.2542  
 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: B3J3131  
 SOP: MCS-SOP-I01

Prep By: 1029  
 Prep On: 11/1/23 11:14

Ana. By: 1005  
 Ana. On: 11/1/23 16:05

Initial (g): 0.2559  
 Final (g): 25

Analyte ( ug/kg )	Result	Diln	Reg. Limit	MDL	PQL	Analyte ( ug/kg )	Result	Diln	Reg. Limit	MDL	PQL
Arsenic	ND	1	200	19.539	97.694	Cadmium	ND	1	200	19.539	97.694
Lead	ND	1	500	48.847	244.236	Mercury	ND	1	200	19.539	48.847

**Residual Solvents by GC/MS-HS**

Batch: B3J3113  
 SOP: MCS-SOP-O03

Prep By: 1028  
 Prep On: 10/31/23 16:57

Ana. By: 1028  
 Ana. On: 11/1/23 19:48

Initial (g): 0.0202  
 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	99.010	247.525	n-Butane	ND	1	5000	99.010	247.525
Methanol	ND	1	250	24.752	99.010	Ethylene Oxide	ND	1	5	0.495	2.475
Ethanol	ND	1	5000	495.049	594.059	Pentane	ND	1	750	74.257	247.525
Ethyl Ether	ND	1	500	49.505	247.525	Acetone	ND	1	750	74.257	247.525
1,1-Dichloroethylene	ND	1	8	0.304	1.485	Isopropyl Alcohol (2-Propanol)	ND	1	500	49.505	247.525
Acetonitrile	ND	1	60	5.941	29.703	Methylene Chloride	ND	1	125	12.376	49.505
Hexane	ND	1	250	24.752	123.762	Ethyl Acetate	ND	1	400	39.604	198.020
Chloroform	ND	1	2	0.137	0.990	1,2-Dichloroethane	ND	1	2	0.178	0.990
Benzene	ND	1	1	0.057	0.099	Heptane	ND	1	5000	99.010	247.525
Trichloroethene (Trichloroethylene)	ND	1	25	2.475	12.376	Toluene	ND	1	150	14.851	74.257
m/p-Xylenes	ND	1	100	7.426	29.703	o-xylene	ND	1	50	7.426	29.703

**Water Activity by REH**

Batch: B3J3133  
 SOP: MCS-SOP-G03

Prep By: 1030  
 Prep On: 11/1/23 13:16

Ana. By: 1048  
 Ana. On: 11/2/23 10:24

Initial (g): 0.1023  
 Final (g): 0.1

Analyte ( Aw )	Result	Diln	Reg. Limit	MDL	PQL
Activity of Water (Aw)	0.34	1	0.85	0.040	0.040

**Foreign Matter**

Batch: B3K0111  
 SOP: MCS-SOP-G01

Prep By: 1048  
 Prep On: 11/1/23 11:05

Ana. By: 1048  
 Ana. On: 11/1/23 13:00

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

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