



The Flowery

Cultivation Facility: Homestead
Processing Facility: Homestead
Batch Date: 11/11/2025
Batch Size: 16304 g
Batch Unit Size: 4 g
Units Sampled: 18
Total Amt. Sampled: 72 g
Seed to Sale ID: 3656830372778118
QA Sample ID: 6510850761546237

3656830372778118



Laboratory ID: JK12006-01
Sample Matrix: Preroll
Admin. Route: Inhalation
Label Claim: THC: -- mg | CBD: -- mg
Cultivar: 40 O.G.
Product Name: FLOWER - FORTY O.G.
Description: 4G
Sample Date: 11/12/25
Received: 11/12/25 15:07
Completed: 11/14/25 16:44

POTENCY SUMMARY (As Received)

Total CBD
0.101% (4.04 mg)

Total THC
25.8% (1,030 mg)

Total Cannabinoids
30.4% (1,210 mg)

Analyte	%	mg
THCa	28.9	1,160
CBGa	0.724	29.0
delta 9-THC	0.440	17.6
CBG	0.191	7.64
CBDA	0.115	4.60
CBC	<LOQ	<LOQ
CBD	<LOQ	<LOQ
CBDV	<LOQ	<LOQ
CBN	<LOQ	<LOQ
delta 8-THC	<LOQ	<LOQ
THCV	<LOQ	<LOQ

TERPENES SUMMARY (Top Ten)

Total Terpenes
2.79%

Analyte	%
beta-Caryophyllene	0.758
d-Limonene	0.565
beta-Myrcene	0.391
alpha-Humulene	0.234
alpha-Bisabolol	0.116
trans-Nerolidol	0.103
Linalool	0.0972
Fenchyl Alcohol	0.0770
beta-Pinene	0.0738
Isopulegol	0.0693

ANALYSIS SUMMARY

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

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LOQ = Limit of Quantification

ND = Non-Detect

RPD = Relative Percent Difference

MDL = Method Detection Limit

PQL = Practical Quantitation Limit

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 Cultivar: 40 O.G.
 Product Name: FLOWER - FORTY O.G.

Lab ID: JK12006-01
 Received: 11/12/25 15:07
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Potency by HPLC

Batch: B5K1220
 SOP: MCS-SOP-002

Prep By: 1005
 Prep On: 11/12/25 16:48

Ana. By: 1005
 Ana. On: 11/13/25 19:59

Initial (g): 0.2025
 Final (g): 10

Analyte (%)	Result	Diln	MDL	PQL	Analyte (%)	Result	Diln	MDL	PQL
Total THC	25.8	100	0.0316	0.463	Total CBD	0.101	1	0.00484	0.00463
delta 8-THC	ND	1	0.000158	0.00247	delta 9-THC	0.440	1	0.000168	0.00247
THCa	28.9	100	0.0168	0.247	THCV	ND	1	0.000356	0.00247
CBD	ND	1	0.000326	0.00247	CBDa	0.115	1	0.000198	0.00247
CBDV	ND	1	0.000217	0.00247	CBC	ND	1	0.000741	0.00247
CBG	0.191	1	0.000158	0.00247	CBGa	0.724	100	0.0158	0.247
CBN	ND	1	0.000188	0.00247					

Terpene Screen by GC/MS

Batch: B5K1225
 SOP: MCS-SOP-004

Prep By: 1055
 Prep On: 11/13/25 09:46

Ana. By: 1005
 Ana. On: 11/13/25 16:51

Initial (g): 0.1025
 Final (g): 10

Analyte (%)	Result	Diln	MDL	PQL	Analyte (%)	Result	Diln	MDL	PQL
alpha-Pinene	0.0535	1	0.00488	0.00976	Camphene	0.0155	1	0.00488	0.00976
beta-Pinene	0.0738	1	0.00488	0.00976	3-Carene	ND	1	0.00488	0.00976
alpha-Terpinene	0.00507	1	0.00488	0.00976	Camphor	ND	1	0.00488	0.00976
d-Limonene	0.565	1	0.00488	0.00976	1,8-Cineole (Eucalyptol)	ND	1	0.00488	0.00976
gamma-Terpinene	ND	1	0.00488	0.00976	Terpinolene	0.0247	1	0.00488	0.00976
Isopulegol	0.0693	1	0.00488	0.00976	Linalool	0.0972	1	0.00488	0.00976
Geraniol	0.0477	1	0.00488	0.00976	beta-Caryophyllene	0.758	1	0.00488	0.00976
alpha-Humulene	0.234	1	0.00488	0.00976	cis-Nerolidol	ND	1	0.00488	0.00976
Caryophyllene oxide	0.0446	1	0.00488	0.00976	(+/-)-Fenchone	ND	1	0.00488	0.00976
(+/-)-Borneol	0.0211	1	0.00488	0.00976	(+)-Pulegone	ND	1	0.00488	0.00976
Cedrol	ND	1	0.00488	0.00976	Geranyl Acetate	ND	1	0.00488	0.00976
alpha-Bisabolol	0.116	1	0.00488	0.00976	alpha-Phellandrene	ND	1	0.00488	0.00976
alpha-Terpineol	0.0587	1	0.00488	0.00976	Nerol	ND	1	0.00488	0.00976
Sabinene	ND	1	0.00488	0.00976	Valencene	ND	1	0.00488	0.00976
beta-Myrcene	0.391	1	0.00488	0.00976	Sabinene Hydrate	0.00573	1	0.00488	0.00976
alpha-Cedrene	ND	1	0.00488	0.00976	Fenchyl Alcohol	0.0770	1	0.00488	0.00976
Guaiol	ND	1	0.00488	0.00976	trans-Nerolidol	0.103	1	0.00488	0.00976
Isoborneol	ND	1	0.00488	0.00976	Ocimene, Total	0.0338	1	0.00488	0.00976
gamma-Terpineol	ND	1	0.00488	0.00976	Menthol	ND	1	0.00488	0.00976

Moisture by Moisture Balance

Batch: B5K1231
 SOP: MCS-SOP-G02

Prep By: 1005
 Prep On: 11/13/25 09:25

Ana. By: 1005
 Ana. On: 11/13/25 11:16

Initial (g): 0.516
 Final (g): 0.5

Analyte (%)	Result	Diln	Reg. Limit
Percent Moisture	13.8	1	15

Water Activity by REH

Batch: B5K1229
 SOP: MCS-SOP-G03

Prep By: 1005
 Prep On: 11/12/25 17:16

Ana. By: 1048
 Ana. On: 11/13/25 13:38

Initial (g): 0.1031
 Final (g): 0.1

Analyte (Aw)	Result	Diln	Reg. Limit	MDL	PQL
Activity of Water (Aw)	0.45	1	0.65	0.040	0.040

Foreign Matter

Batch: B5K1230
 SOP: MCS-SOP-G01

Prep By: 1048
 Prep On: 11/12/25 15:45

Ana. By: 1048
 Ana. On: 11/12/25 15:55

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

Analyte (P/A)	Result	Diln	Reg. Limit	MDL	PQL
Foreign Matter	Absent	1	1	1.00	1.00



CMTL-0005

4705 Old Rd 37
 Lakeland, FL 33813
 www.moderncanna.com
 863-608-7800

Richard Dillen
 Laboratory Director



Accreditation #102020



3656830372778118

Sample Matrix: Preroll
 Cultivar: 40 O.G.
 Product Name: FLOWER - FORTY O.G.

Lab ID: JK12006-01
 Received: 11/12/25 15:07
 Completed: 11/14/25 16:44

Pesticides by LC-QQQ

Batch: B5K1223
 SOP: MCS-SOP-001b

Prep By: 1054
 Prep On: 11/12/25 16:23

Ana. By: 1067
 Ana. On: 11/13/25 19:44

Initial (g): 1.0024
 Final (g): 25

Analyte (ug/kg dry)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (ug/kg dry)	Result	Diln	Reg. Limit	MDL	PQL
Abamectin, Total	ND	10	100	10.4	116	Acephate	ND	10	100	7.17	116
Acequinocyl	ND	10	100	4.28	116	Acetamiprid	ND	10	100	3.70	116
Aldicarb	ND	10	100	10.9	116	Azoxystrobin	ND	10	100	5.32	116
Bifenazate	ND	10	100	5.44	116	Bifenthrin	ND	10	100	4.51	116
Boscalid	ND	10	100	16.9	116	Carbaryl	ND	10	500	9.02	578
Carbofuran	ND	10	100	4.28	116	Chlorantraniliprole	ND	10	1000	9.25	1160
Chlormequat chloride	ND	10	1000	3.59	1160	Chlorpyrifos	ND	10	100	4.86	116
Clofentezine	ND	10	200	5.67	231	Coumaphos	ND	10	100	7.87	116
Cyfluthrin	ND	10	500	44.4	578	Cypermethrin	ND	10	500	11.1	578
Daminozide	ND	10	100	9.02	116	Diazinon	ND	10	100	3.12	116
Dichlorvos	ND	10	100	11.6	116	Dimethoate	ND	10	100	1.27	116
Dimethomorph, Total	ND	10	200	3.59	231	Ethoprophos	ND	10	100	6.13	116
Etofenprox	ND	10	100	4.74	116	Etoxazole	ND	10	100	4.28	116
Fenhexamid	ND	10	100	5.67	116	Fenoxycarb	ND	10	100	5.21	116
Fenpyroximate	ND	10	100	2.54	116	Fipronil	ND	10	100	13.8	116
Flonicamid	ND	10	100	4.86	116	Fludioxonil	ND	10	100	10.2	116
Hexythiazox	ND	10	100	3.59	116	Imazalil	ND	10	100	6.13	116
Imidacloprid	ND	10	400	5.21	463	Kresoxim-Methyl	ND	10	100	5.21	116
Malathion	ND	10	200	16.9	231	Metalaxyl	ND	10	100	5.78	116
Methiocarb	ND	10	100	10.5	116	Methomyl	ND	10	100	2.31	116
Mevinphos	ND	10	100	6.13	116	Myclobutanil	ND	10	100	8.21	116
Dibrom (Naled)	ND	10	250	11.1	289	Oxamyl	ND	10	250	2.43	289
Paclobutrazol	ND	10	100	8.56	116	Permethrin	ND	10	100	4.63	116
Phosmet	ND	10	100	5.21	116	Piperonyl butoxide	ND	10	3000	23.1	3470
Prallethrin	ND	10	100	6.71	116	Propiconazole (Tilt)	ND	10	100	5.21	116
Baygon (Propoxur)	ND	10	100	3.47	116	Pyrethrins, Total	ND	10	500	6.25	116
Pyridaben	ND	10	200	1.85	231	Spinetoram, Total	ND	10	200	3.82	116
Spiromesifen	ND	10	100	4.16	116	Spirotetramat	ND	10	100	5.09	116
Spiroxamine	ND	10	100	2.89	116	Tebuconazole	ND	10	100	4.51	116
Thiacloprid	ND	10	100	1.85	116	Thiamethoxam	ND	10	500	2.54	578
Trifloxystrobin	ND	10	100	4.74	116	Spinosad, Total	ND	10	100	5.09	116

Pesticides by GC-QQQ

Batch: B5K1223
 SOP: MCS-SOP-001a

Prep By: 1054
 Prep On: 11/12/25 16:23

Ana. By: 1056
 Ana. On: 11/13/25 21:34

Initial (g): 1.0024
 Final (g): 25

Analyte (ug/kg dry)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (ug/kg dry)	Result	Diln	Reg. Limit	MDL	PQL
Pentachloronitrobenzene (quintozone)	ND	5	150	9.90	86.8	Methyl parathion	ND	5	100	4.95	57.8
Captan	ND	5	700	14.2	405	Chlordane, Total	ND	5	100	11.3	57.8
Chlorfenapyr	ND	5	100	12.6	57.8						

Mycotoxins by LC-QQQ

Batch: B5K1223
 SOP: MCS-SOP-001b

Prep By: 1054
 Prep On: 11/12/25 16:23

Ana. By: 1067
 Ana. On: 11/14/25 01:12

Initial (g): 1.0024
 Final (g): 25

Analyte (ug/kg dry)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (ug/kg dry)	Result	Diln	Reg. Limit	MDL	PQL
Aflatoxin, Total	ND	10	20	9.98	9.98	Ochratoxin A	ND	10	20	2.51	9.98
Aflatoxin G2	ND	10	20	7.45	9.98	Aflatoxin G1	ND	10	20	3.23	9.98
Aflatoxin B2	ND	10	20	3.87	9.98	Aflatoxin B1	ND	10	20	2.93	9.98



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Lab ID: JK12006-01
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 Completed: 11/14/25 16:44

Total Metals by ICP-MS

Batch: B5K1227
 SOP: MCS-SOP-I01

Prep By: 1029
 Prep On: 11/13/25 11:13

Ana. By: 1028
 Ana. On: 11/13/25 15:10

Initial (g): 0.2575
 Final (g): 25

Analyte (ug/kg dry)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (ug/kg dry)	Result	Diln	Reg. Limit	MDL	PQL
Arsenic	ND	1	200	22.5	113	Cadmium	ND	1	200	22.5	113
Lead	ND	1	500	56.3	281	Mercury	ND	1	200	22.5	56.3

Microbials by qPCR

Batch: B5K1214
 SOP: MCS-SOP-M01

Prep By: 1005
 Prep On: 11/13/25 07:47

Ana. By: 1005
 Ana. On: 11/14/25 09:56

Initial (g): 1.0034
 Final (g): 9

Analyte (CFU)	Result	Diln	Reg. Limit	MDL	PQL	Analyte (CFU)	Result	Diln	Reg. Limit	MDL	PQL
Aspergillus flavus	Absent	1	1	1.00	1.00	Aspergillus fumigatus	Absent	1	1	1.00	1.00
Aspergillus niger	Absent	1	1	1.00	1.00	Aspergillus terreus	Absent	1	1	1.00	1.00
Aspergillus Total	Absent	1	1	1.00	1.00	Salmonella	Absent	1	1	1.00	1.00
Shiga Toxin E.coli	Absent	1	1	1.00	1.00						

Quantitative Microbials by qPCR

Batch: B5K1215
 SOP: MCS-SOP-M01

Prep By: 1005
 Prep On: 11/13/25 08:24

Ana. By: 1005
 Ana. On: 11/13/25 10:25

Initial (g): 1.0009
 Final (g): 19

Analyte (CFU)	Result	Diln	Reg. Limit	MDL	PQL
Yeast & Mold	Absent	20	100000	1000	1000