



**Twisted Growers**  
License #: MC281714, MP281909

# Certificate of Analysis

Final



Date Released: 10/28/2025 12:14:59PM

Report #: 108279

## Marshmallow OG Live Badder (MAOG-LBAD-092525)

Sample #: 156922, Weight: 7.00g, Unit Count:

Order #: X251022-0005

Category/Type: Concentrates & Vapes, Solvent based concentrate

Date Collected: 10/22/2025 10:29:15AM

Date Received: 10/22/2025 4:55:51PM

Date Analyzed: 10/28/2025 10:35:44AM

METRC Sample ID: 1A40A030000E5B2000002569

METRC Source Package ID:

1A40A030000E5B2000003001

METRC Batch ID: MAOG-LBAD-092525



**Total Cannabinoids**  
77.61012 %



**Total THC**  
66.79484 %



**Total CBD**  
0.00000 %



**Total Terpenes**  
98.279 mg/g



**Heavy Metals**  
PASS



**Microbials**  
PASS



**Residual Solvents**  
PASS



**Mycotoxins**  
PASS

Cannabinoids							Total Cannabinoids: 77.61012 %	Date Completed: 10/28/2025 10:27AM
							Total THC: 66.79484 %	Analyst ID: B125893
							Total CBD: 0.00000 %	
Compound	CAS#	LOD (%)	LOQ (%)	%	mg/g	Relative Concentration		
THCa	23978-85-0	.1	.4	71.49141	714.91405	<div style="width: 71.49%;"></div>		
d9-THC	1972-08-3	.1238	.4	4.09687	40.96866	<div style="width: 4.1%;"></div>		
CBGA	25555-57-1	.1353	.4	2.02184	20.21840	<div style="width: 2.0%;"></div>		
d8-THC	5957-75-5	.1822	.4	ND	ND			
CBD	13956-29-1	.1892	.4	ND	ND			
CBDa	1244-58-2	.1278	.4	<LOQ	<LOQ			
CBG	25654-31-3	.1687	.4	<LOQ	<LOQ			
CBN	521-35-7	.1875	.4	ND	ND			
CBC	20675-51-8	.1753	.4	ND	ND			
THCV	31262-37-0	.1298	.4	ND	ND			

All data contained in this report has been reviewed for accuracy to ensure all quality control requirements are met and conform with ISO/IEC 17025:2017. Report of this sample signifies successful receipt, preparation, and analytical analysis of the referenced sample without non-conformances or exceedances of QA/QC criteria which can be provided upon request. The information provided in this report is compliant with the methods utilized and is accurate and complete. Methods utilized for preparation and analysis are cited in each test section. Measurement of uncertainty has been accounted for and is available upon request.



**GVA Labs**  
306 Race Street  
Lower Level  
Holyoke, MA 01040  
833-482-5227  
hello@gvalabs.com  
gvalabs.com  
License #: IL281359

*Jonathan Ferguson*

Jonathan Ferguson, CEO/Co-Founder

10/28/2025 1:21:00PM



Sample #: 156922

Marshmallow OG Live Badder (MAOG-LBAD-092525)

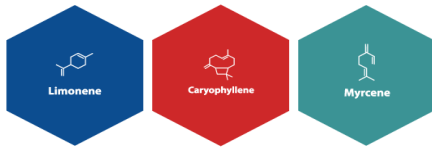
Compound	CAS#	LOD (%)	LOQ (%)	%	mg/g	Relative Concentration
CBDV	24274-48-4	.1227	.4	ND	ND	
THCVa	39986-26-0	.1674	.4	<LOQ	<LOQ	

Test Comment: Total THC = (THCa \* 0.877) + d9THC  
 Total Cannabinoids = Addition of all cannabinoids with no multiplier  
 Total CBD = (CBDa \* 0.877) + CBD  
 Analytical Method: HPLC Lab SOP: L-012 Cannabinoids

**Terpenes**

Date Completed: 10/28/2025 10:35AM

Analyst ID: B156623



Compound	CAS#	LOD (mg/g)	LOQ (mg/g)	mg/g	%	Relative Concentration
D-Limonene	5989-27-5	0.0397	0.1191	30.068	3.007	
beta-Caryophyllene	87-44-5	0.0220	0.0661	22.194	2.219	
beta-Myrcene	123-35-3	0.0446	0.1338	18.496	1.850	
alpha-Humulene	6753-98-6	0.0212	0.0637	4.409	0.441	
Fenchyl Alcohol	1632-73-1	0.0145	0.0437	3.853	0.385	
alpha-Bisabolol	515-69-5	0.0966	0.2899	3.216	0.322	
beta-Pinene	127-91-3	0.0499	0.1498	3.028	0.303	
Linalool	78-70-6	0.0320	0.0960	2.993	0.299	
alpha-Pinene	80-56-8	0.0510	0.1531	2.796	0.280	
alpha-Terpineol	98-55-5	0.0173	0.0520	2.736	0.274	
Valencene	4630-07-3	0.0190	0.0571	1.136	0.114	
trans-Ocimene	3779-61-1	0.0289	0.0868	1.033	0.103	

All data contained in this report has been reviewed for accuracy to ensure all quality control requirements are met and conform with ISO/IEC 17025:2017. Report of this sample signifies successful receipt, preparation, and analytical analysis of the referenced sample without non-conformances or exceedances of QA/QC criteria which can be provided upon request. The information provided in this report is compliant with the methods utilized and is accurate and complete. Methods utilized for preparation and analysis are cited in each test section. Measurement of uncertainty has been accounted for and is available upon request.



**GVA Labs**  
306 Race Street  
Lower Level  
Holyoke, MA 01040  
833-482-5227  
hello@gvalabs.com  
gvalabs.com  
License #: IL281359

*Jonathan Ferguson*

Jonathan Ferguson, CEO/Co-Founder

10/28/2025 1:21:00PM



Sample #: 156922

Marshmallow OG Live Badder (MAOG-LBAD-092525)

Compound	CAS#	LOD (mg/g)	LOQ (mg/g)	mg/g	%	Relative Concentration
Camphene	79-92-5	0.0516	0.1550	0.682	0.068	■
Borneol	507-70-0	0.0228	0.0684	0.504	0.050	■
Terpinolene	586-62-9	0.0481	0.1445	0.380	0.038	■
Caryophyllene Oxide	1139-30-6	0.0559	0.1679	0.368	0.037	■
cis-Ocimene	3338-55-4	0.0280	0.0840	0.296	0.030	■
Sabinene Hydrate	546-79-2	0.0165	0.0495	0.091	0.009	
alpha-Terpinene	99-86-5	0.0408	0.1225	<LOQ	ND	
alpha-Cedrene	469-61-4	0.0253	0.0761	ND	ND	
Sabinene	3387-41-5	0.0156	0.0470	ND	ND	
alpha-Phellandrene	99-83-2	0.0232	0.0697	ND	ND	
Camphor	76-22-2	0.0331	0.0995	ND	ND	
Cedrol	77-53-2	0.0249	0.0749	ND	ND	
Farnesene	502-61-4	0.0453	0.1361	ND	ND	
Fenchone	1195-79-5	0.0342	0.1028	<LOQ	<LOQ	
gamma-Terpineol	586-81-2	0.0028	0.0086	ND	ND	
Geranyl Acetate	105-87-3	0.0254	0.0763	ND	ND	
Isoborneol	124-76-5	0.0157	0.0472	ND	ND	
Menthol	89-78-1	0.0369	0.1109	ND	ND	
Nerol	106-25-2	0.0228	0.0686	ND	ND	
Pulegone	89-82-7	0.0112	0.0338	ND	ND	
delta-3-Carene	13466-78-9	0.0796	0.2388	ND	ND	
Eucalyptol	470-82-6	0.0503	0.1510	<LOQ	<LOQ	
Guaiol	489-86-1	0.0675	0.2027	ND	ND	
cis-Nerolidol	142-50-7	0.0323	0.0969	ND	ND	
gamma-Terpinene	99-85-4	0.0393	0.1180	<LOQ	<LOQ	
Geraniol	106-24-1	0.0479	0.1438	<LOQ	<LOQ	

All data contained in this report has been reviewed for accuracy to ensure all quality control requirements are met and conform with ISO/IEC 17025:2017. Report of this sample signifies successful receipt, preparation, and analytical analysis of the referenced sample without non-conformances or exceedances of QA/QC criteria which can be provided upon request. The information provided in this report is compliant with the methods utilized and is accurate and complete. Methods utilized for preparation and analysis are cited in each test section. Measurement of uncertainty has been accounted for and is available upon request.



**GVA Labs**  
306 Race Street  
Lower Level  
Holyoke, MA 01040  
833-482-5227  
hello@gvalabs.com  
gvalabs.com  
License #: IL281359

*Jonathan Ferguson*

Jonathan Ferguson, CEO/Co-Founder

10/28/2025 1:21:00PM



Sample #: 156922

Marshmallow OG Live Badder (MAOG-LBAD-092525)

Compound	CAS#	LOD (mg/g)	LOQ (mg/g)	mg/g	%	Relative Concentration
Isopulegol	89-79-2	0.0535	0.1606	ND	ND	
trans-Nerolidol	40716-66-3	0.0390	0.1172	ND	ND	

**Test Comment:** Analytical Method: GC-MS Lab SOP: L-013 Terpenoids  
The following analytes are not part of Green Valley Analytics ISO 17025 Scope of Accreditation:  
Sabinene, alpha-Phellandrene, Sabine Hydrate, Fenchone, Fencyl Alcohol, Camphor, Isoborneol, Menthol, Borneol, alpha-Terpineol, gamma-Terpineol, Nerol, Pulegone, Geranyl Acetate, Farnesene, alpha-Cedrene, Valencene & Cedrol.

**Residual Solvents**

**Pass**

Date Completed: 10/28/2025 8:07AM

Analyst ID: B156623

Compound	LOD (ppm)	LOQ (ppm)	Limits (ppm)	Result (ppm)	Status
Acetone	18.721	56.162	5000	ND	Pass
Butane	2.11	6.6667	12	ND	Pass
Ethanol	136.6999	410.0998	5000	ND	Pass
Isobutane	2.5540	6.6667	12	ND	Pass
Isopropyl Alcohol	66	200	5000	ND	Pass
Pentane	19.288	57.864	5000	ND	Pass
Propane	2.8051	6.6667	12	ND	Pass

Comment: Analytical Method: GC-MS Lab SOP: L-016 Residual Solvents  
**\*\*Pentane & Isopropyl Alcohol is not part of ISO17025 scope\*\***

**Mycotoxins**

**Pass**

Date Completed: 10/27/2025 8:26AM

Analyst ID: B159506

Compound	LOD (ppb)	LOQ (ppb)	Limits (ppb)	Result (ppb)	Status
AflatoxinB1	1.6499	4.9499	20	ND	Pass
AflatoxinB2	2.2521	6.7564	20	ND	Pass
AflatoxinG1	0.9461	2.8380	20	ND	Pass
AflatoxinG2	3.8346	11.5039	20	ND	Pass
OchratoxinA	2.5487	7.6462	20	ND	Pass

All data contained in this report has been reviewed for accuracy to ensure all quality control requirements are met and conform with ISO/IEC 17025:2017. Report of this sample signifies successful receipt, preparation, and analytical analysis of the referenced sample without non-conformances or exceedances of QA/QC criteria which can be provided upon request. The information provided in this report is compliant with the methods utilized and is accurate and complete. Methods utilized for preparation and analysis are cited in each test section. Measurement of uncertainty has been accounted for and is available upon request.



**GVA Labs**  
306 Race Street  
Lower Level  
Holyoke, MA 01040  
833-482-5227  
hello@gvalabs.com  
gvalabs.com  
License #: IL281359

*Jonathan Ferguson*

Jonathan Ferguson, CEO/Co-Founder

10/28/2025 1:21:00PM



Sample #: 156922

Marshmallow OG Live Badder (MAOG-LBAD-092525)

**Mycotoxins**

**Pass**

Date Completed: 10/27/2025 8:26AM

Analyst ID: B159506

Compound	LOD (ppb)	LOQ (ppb)	Limits (ppb)	Result (ppb)	Status
TotalAflatoxins				0	Pass

Comment: Analytical Method: LCMS/MS Lab SOP: L-014 Pesticides & Mycotoxins

**Metals**

**Pass**

Date Completed: 10/24/2025 2:18PM

Analyst ID: B123385

Compound	LOD (µg/kg)	LOQ (µg/kg)	Limits (µg/kg)	Result (µg/kg)	Status
Arsenic	28.73	86.21	200	ND	Pass
Cadmium	21.74	83.33	200	ND	Pass
Lead	23.58	83.33	500	ND	Pass
Mercury	23.62	70.84	100	ND	Pass

Comment: Analytical Method: ICP-MS Lab SOP: L-015 Metals

**Microbials Count/Qualitative**

**Pass**

Date Completed: 10/27/2025 5:24PM

Analyst ID: B143512

Compound	LOD (CFU/g)	LOQ (CFU/g)	Limits (CFU/g)	Result (CFU/g)	Status
Bile-Tolerant Gram Negative Bacteria		100	100	<LOQ	Pass
Salmonella Qualitative				Not Detected	Pass
STEC Qualitative				Not Detected	Pass
Total Aerobic Bacteria		100	10000	<LOQ	Pass
Total Coliforms		100	100	<LOQ	Pass
Yeast & Mold		100	1000	<LOQ	Pass

Comment: Analytical Method: PCR Lab SOP: L-017 Microbiological Analysis of STEC & Salmonella in Marajuana via PCR  
Analytical Method: Plating Lab SOP: L-024 Microbiological Contaminants Analysis via 3M Petrifilm Plates

All data contained in this report has been reviewed for accuracy to ensure all quality control requirements are met and conform with ISO/IEC 17025:2017. Report of this sample signifies successful receipt, preparation, and analytical analysis of the referenced sample without non-conformances or exceedances of QA/QC criteria which can be provided upon request. The information provided in this report is compliant with the methods utilized and is accurate and complete. Methods utilized for preparation and analysis are cited in each test section. Measurement of uncertainty has been accounted for and is available upon request.



**GVA Labs**  
306 Race Street  
Lower Level  
Holyoke, MA 01040  
833-482-5227  
hello@gvalabs.com  
gvalabs.com  
License #: IL281359

Jonathan Ferguson, CEO/Co-Founder

10/28/2025 1:21:00PM