



Mother Grows Best
1851 Steinway Blvd. SE
Canton, OH 44707
License #: CCC000033-00
Sample ID: 2608ML0873.5807
METRC Sample ID: 1A40703000020D2000000570



CERTIFICATE OF ANALYSIS
Laboratory License #: CCL000012-00

Certificate: 18038

Page 1 of 6

M00001306938: Modified Grapes Bulk Flower

METRC ID: 1A40703000020D2000000570

METRC Source ID: 1A40703000020D2000000556

Source Batch #: Modified Grapes 7-21-26

Sample Type: Flower - Cured

Strain: Modified Grapes

Sample ID: 2608ML0873.5807

Manifest #: 0001462642

Sample Collected: 08/06/2026

Sample Received: 08/06/2026

Report Published: 08/11/2026



RESULTS SUMMARY

Cannabinoid Profile Tested	Microbial Contaminants Pass	Residual Solvents Not Tested	19.289% Total THC	
Pesticides Pass	Mycotoxins Pass	Heavy Metals Pass		ND Total CBD
Foreign Matter Tested (0.0%)	Moisture Analysis Tested (12.8%)	Water Activity Tested (0.542 Aw)		
	Terpenes Tested			

Moisture Analysis is analyzed by Oven Drying (SOP LAB-14)

Water Activity is analyzed by METER total moisture analyzer (SOP LAB-05)

Foreign Matter is analyzed by Microscope (SOP LAB-06)

Report Notes: N/A

Amber Lindsay

Scientific Director & Quality Manager

Smithers CTS Ohio LLC

2040 Fairwood Ave
Columbus, OH 43207
(330) 842-6553



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Cannabinoid Profile

Tested

Sample Analysis
Sample Prep Date: 08/10/2026
Sample Analysis Date: 08/11/2026
Analyzed By: HPLC-DAD
SOP: SOP LAB-07

Analyte	LOD (%)	LOQ (%)	Results (%)	Results (mg/g)
CBDV	0.031898	0.09661	ND	ND
CBDa	0.061969	0.18896	ND	ND
CBGA	0.014121	0.042768	0.50048	5.0048
CBG	0.022654	0.068572	ND	ND
CBD	0.14426	0.43785	ND	ND
THCV	0.094477	0.28648	ND	ND
CBN	0.078223	0.23772	ND	ND
Δ9-THC	0.14222	0.43074	0.52602	5.2602
Δ8-THC	0.14222	0.43175	ND	ND
CBC	0.039924	0.12099	ND	ND
THCa	0.054858	0.16458	21.394	213.94

Cannabinoid Totals	Limit (%)	Results (%)	Results (mg/g)
Total THC	N/A	19.289	192.89
Total CBD	N/A	ND	ND

Total THC = THCa * 0.877 + Δ9-THC + Δ8-THC
Total CBD = CBDa * 0.877 + CBD

Report Notes: N/A

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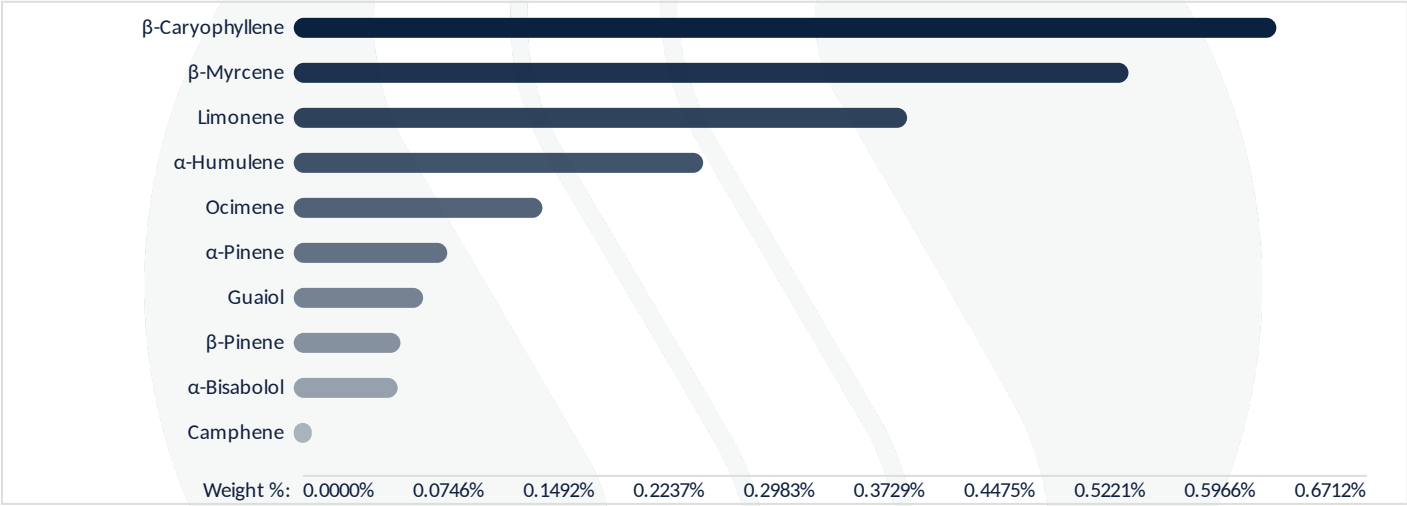
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Terpene Profile

Tested

Sample Analysis
Sample Prep Date: 08/07/2026
Sample Analysis Date: 08/10/2026
Analyzed By: GCMS
SOP: SOP LAB-15

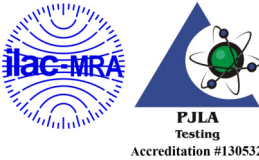
Analyte	LOD (%)	LOQ (%)	Results (%)	Results (mg/g)	Analyte	LOD (%)	LOQ (%)	Results (%)	Results (mg/g)
β-Caryophyllene	0.0014054	0.0042688	0.67123	6.7123	trans-Nerolidol 2	0.0017040	0.0051647	ND	ND
β-Myrcene	0.0018445	0.0055687	0.57022	5.7022	cis-Nerolidol 1	0.0014054	0.0042688	ND	ND
Limonene	0.0017216	0.0051998	0.41897	4.1897	Geraniol	0.0015635	0.0047255	ND	ND
α-Humulene	0.0010189	0.0030742	0.27967	2.7967	Isopulegol	0.0011419	0.0034607	ND	ND
Ocimene	0.0031972	0.0096794	0.16987	1.6987	Linalool	0.00082565	0.0025121	ND	ND
α-Pinene	0.0022310	0.0067457	0.10487	1.0487	Terpinolene	0.0014756	0.0044796	ND	ND
Guaiol	0.0011946	0.0036188	0.088362	0.88362	γ-Terpinene	0.0016162	0.0049188	ND	ND
β-Pinene	0.0011770	0.0035837	0.072903	0.72903	Eucalyptol	0.00021080	0.00066755	ND	ND
α-Bisabolol	0.0011419	0.0034607	0.070971	0.70971	p-Cymene	0.00072025	0.0021959	ND	ND
Camphene	0.0014756	0.0044796	0.012297	0.12297	α-Terpinene	0.0018270	0.0055160	ND	ND
Caryophyllene Oxide	0.0031269	0.0095037	0.010189	0.10189	3-Carene	0.0016337	0.0049539	ND	ND



Report Notes: N/A

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Pesticides

Pass

Sample Analysis
Sample Prep Date: 08/07/2026
Sample Analysis Date: 08/10/2026
Analyzed By: LC-MS/MS
SOP: LAB SOP-08

Analyte	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Results (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Results (ppm)
Abamectin	0.0314	0.0943	0.0314	ND	Piperonyl butoxide	0.0158	0.0472	0.0158	ND
Aldicarb	0.0314	0.0943	0.0314	ND	Pyrethrins	0.00314	0.00943	0.05	ND
Daminozide	0.0314	0.0943	0.0314	ND	Spinosad	0.00314	0.00943	0.02	ND
DDVP (Dichlorvos)	0.00314	0.00943	0.00314	ND	Spirotetramat	0.00158	0.00472	0.01	ND
Diazinon	0.0158	0.0472	0.0158	ND	Thiamethoxam	0.00314	0.00943	0.02	ND
Dimethoate	0.0158	0.0472	0.0158	ND	Trifloxystrobin	0.00158	0.00472	0.01	ND
Etoxazole	0.0158	0.0472	0.0158	ND	Bifenazate	0.0158	0.0472	0.1	ND
Imidacloprid	0.0314	0.0943	0.0314	ND	Cyfluthrin	0.00314	0.00943	0.01	ND
Myclobutanil	0.0158	0.0472	0.0158	ND	Flonicamid	0.00314	0.00943	0.03	ND
Paclobutrazol	0.0314	0.0943	0.0314	ND	Fludioxonil	0.00158	0.00472	0.01	ND

Report Notes: N/A

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Mycotoxins

Pass

Sample Analysis
Sample Prep Date: 08/07/2026
Sample Analysis Date: 08/10/2026
Analyzed By: LC-MS/MS
SOP: LAB SOP-08

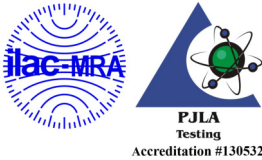
Analyte	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Results (ppb)
Aflatoxin B1	3.11	9.43	20	ND
Aflatoxin B2	3.11	9.43	20	ND
Aflatoxin G1	3.11	9.43	20	ND
Aflatoxin G2	3.11	9.43	20	ND
Total Aflatoxins	3.11	9.43	20	ND
Ochratoxin A	3.11	9.43	20	ND

Report Notes: N/A

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Heavy Metals

Pass

Sample Analysis
Sample Prep Date: 08/07/2026
Sample Analysis Date: 08/10/2026
Analyzed By: ICP-MS
SOP: SOP LAB-03

Analyte	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Results (ppm)
Arsenic	0.0746	0.223	0.42	ND
Cadmium	0.0465	0.136	0.27	ND
Mercury	0.0562	0.174	0.87	ND
Lead	0.0591	0.174	0.87	ND

Microbial Impurities

Pass

Sample Analysis
Sample Prep Date: 08/06/2026
Sample Analysis Date: 08/09/2026
Analyzed By: Hardy CompactDry Plates | bioMérieux GENE UP PCR
SOP: SOP LAB-04 | SOP Lab-17

Analyte	Limit (cfu/g)	Results (cfu/g)
Total Viable Aerobic Bacteria	100000	ND
Total Bile-Tolerant Gram-Negative Bacteria	1000	ND
Total Coliforms	1000	ND
Total Yeast & Mold	50000	161
Salmonella spp.	Detected	Not Detected
STEC	Detected	Not Detected

Report Notes: N/A

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