



Mother Grows Best
1851 Steinway Blvd. SE
Canton, OH 44707
License #: CCC000033-00
Sample ID: 2608ML0873.5806
METRC Sample ID: 1A40703000020D2000000569



SMITHERS

CERTIFICATE OF ANALYSIS
Laboratory License #: CCL000012-00

Certificate: 18037

Page 1 of 6

M00001306938: Modified Grapes Bulk Flower

METRC ID: 1A40703000020D2000000569

METRC Source ID: 1A40703000020D2000000555

Source Batch #: Modified Grapes 7-21-26

Sample Type: Flower - Cured

Strain: Modified Grapes

Sample ID: 2608ML0873.5806

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	19.447% Total THC
Pesticides Pass	Mycotoxins Pass	Heavy Metals Pass	ND Total CBD
Foreign Matter Tested (0.0%)	Moisture Analysis Tested (13.3%)	Water Activity Tested (0.537 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	0.028918	0.087582	ND	ND
CBDa	0.056178	0.1713	ND	ND
CBGA	0.012801	0.038772	0.46208	4.6208
CBG	0.020538	0.062164	ND	ND
CBD	0.13078	0.39693	ND	ND
THCV	0.085648	0.25971	ND	ND
CBN	0.070913	0.2155	ND	ND
Δ9-THC	0.12893	0.39048	0.54045	5.4045
Δ8-THC	0.12893	0.3914	ND	ND
CBC	0.036194	0.10968	ND	ND
THCa	0.049732	0.14919	21.558	215.58

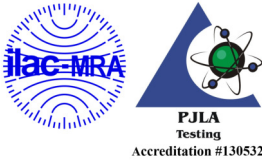
Cannabinoid Totals	Limit (%)	Results (%)	Results (mg/g)
Total THC	N/A	19.447	194.47
Total CBD	N/A	ND	ND

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

Report Notes: N/A

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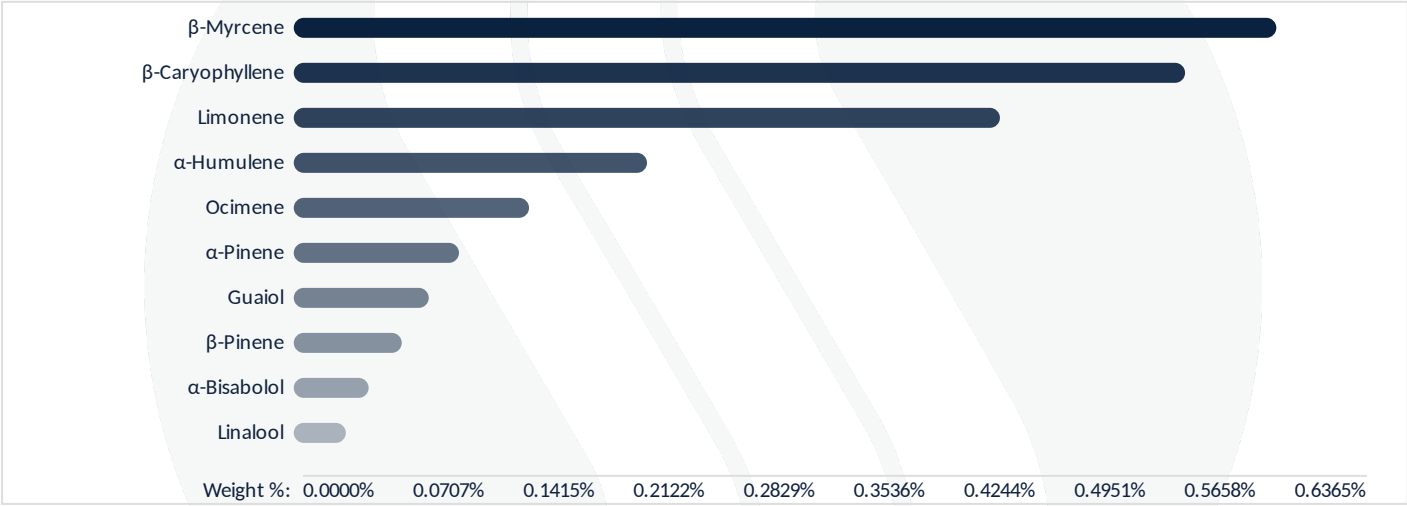
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Terpene Profile

Tested

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

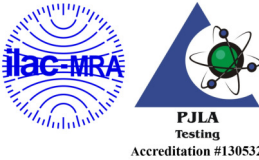
Analyte	LOD (%)	LOQ (%)	Results (%)	Results (mg/g)	Analyte	LOD (%)	LOQ (%)	Results (%)	Results (mg/g)
β-Myrcene	0.0021864	0.0066007	0.63654	6.3654	Caryophyllene Oxide	0.0037064	0.011265	ND	ND
β-Caryophyllene	0.0016658	0.0050599	0.57741	5.7741	trans-Nerolidol 2	0.0020198	0.0061218	ND	ND
Limonene	0.0020406	0.0061635	0.45747	4.5747	cis-Nerolidol 1	0.0016658	0.0050599	ND	ND
α-Humulene	0.0012077	0.0036439	0.22884	2.2884	Geraniol	0.0018532	0.0056012	ND	ND
Ocimene	0.0037897	0.011473	0.15242	1.5242	Isopulegol	0.0013535	0.0041020	ND	ND
α-Pinene	0.0026445	0.0079958	0.10703	1.0703	Terpinolene	0.0017491	0.0053097	ND	ND
Guaiol	0.0014159	0.0042894	0.087454	0.87454	γ-Terpinene	0.0019157	0.0058303	ND	ND
β-Pinene	0.0013951	0.0042478	0.069964	0.69964	Eucalyptol	0.00024987	0.00079125	ND	ND
α-Bisabolol	0.0013535	0.0041020	0.048516	0.48516	p-Cymene	0.00085372	0.0026028	ND	ND
Linalool	0.00097866	0.0029776	0.033732	0.33732	α-Terpinene	0.0021655	0.0065383	ND	ND
Camphene	0.0017491	0.0053097	0.012285	0.12285	3-Carene	0.0019365	0.0058719	ND	ND



Report Notes: N/A

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Pesticides

Pass

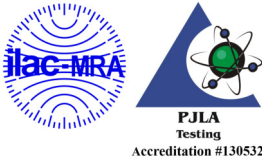
Sample Analysis
Sample Prep Date: 08/07/2026
Sample Analysis Date: 08/10/2026
Analyzed By: LC-MS/MS
SOP: LAB SOP-08

Analyte	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Results (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Results (ppm)
Abamectin	0.0313	0.0939	0.0313	ND	Piperonyl butoxide	0.0157	0.0470	0.0157	ND
Aldicarb	0.0313	0.0939	0.0313	ND	Pyrethrins	0.00313	0.00939	0.05	ND
Daminozide	0.0313	0.0939	0.0313	ND	Spinosad	0.00313	0.00939	0.02	ND
DDVP (Dichlorvos)	0.00313	0.00939	0.00313	ND	Spirotetramat	0.00157	0.00470	0.01	ND
Diazinon	0.0157	0.0470	0.0157	ND	Thiamethoxam	0.00313	0.00939	0.02	ND
Dimethoate	0.0157	0.0470	0.0157	ND	Trifloxystrobin	0.00157	0.00470	0.01	ND
Etoxazole	0.0157	0.0470	0.0157	ND	Bifenazate	0.0157	0.0470	0.1	ND
Imidacloprid	0.0313	0.0939	0.0313	ND	Cyfluthrin	0.00313	0.00939	0.01	ND
Myclobutanil	0.0157	0.0470	0.0157	ND	Flonicamid	0.00313	0.00939	0.03	ND
Paclobutrazol	0.0313	0.0939	0.0313	ND	Fludioxonil	0.00157	0.00470	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	3.10	9.39	20	ND
Aflatoxin B2	3.10	9.39	20	ND
Aflatoxin G1	3.10	9.39	20	ND
Aflatoxin G2	3.10	9.39	20	ND
Total Aflatoxins	3.10	9.39	20	ND
Ochratoxin A	3.10	9.39	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	0.0761	0.227	0.42	ND
Cadmium	0.0475	0.138	0.27	ND
Mercury	0.0574	0.178	0.87	ND
Lead	0.0603	0.178	0.87	ND

Microbial Impurities

Pass

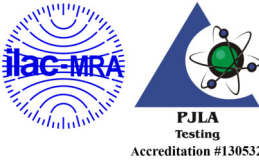
Sample Analysis
Sample Prep Date: 08/06/2026
Sample Analysis Date: 08/09/2026
Analyzed By: Hardy CompactDry Plates | bioMérieux GENE UP PCR
SOP: SOP LAB-04 | SOP Lab-17

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	21778
Salmonella spp.	Detected	Not Detected
STEC	Detected	Not Detected

Report Notes: N/A

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