



Mother Grows Best
1851 Steinway Blvd. SE
Canton, OH 44707
License #: CCC000033-00
Sample ID: 2608ML0968.6528
METRC Sample ID: 1A40703000020D2000000699



CERTIFICATE OF ANALYSIS
Laboratory License #: CCL000012-00

Certificate: 18776

Page 1 of 6

M00001386221: Nutcrackerz Bulk Flower

METRC ID: 1A40703000020D2000000699

METRC Source ID: 1A40703000020D2000000687

Source Batch #: Nutcrackerz 8-17-26

Sample Type: Flower - Cured

Strain: Nutcrackerz

Sample ID: 2608ML0968.6528

Manifest #: 0001474269

Sample Collected: 08/27/2026

Sample Received: 08/27/2026

Report Published: 08/31/2026



RESULTS SUMMARY

Cannabinoid Profile Tested	Microbial Contaminants Pass	Residual Solvents Not Tested	33.313% Total THC	
Pesticides Pass	Mycotoxins Pass	Heavy Metals Pass		0.16545% Total CBD
Foreign Matter Tested (0.0%)	Moisture Analysis Tested (12.7%)	Water Activity Tested (0.547 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: 08/28/2026
Sample Analysis Date: 08/31/2026
Analyzed By: HPLC-DAD
SOP: SOP LAB-07

Analyte	LOD (%)	LOQ (%)	Results (%)	Results (mg/g)
CBDV	0.029629	0.089736	ND	ND
CBDa	0.057559	0.17551	0.18866	1.8866
CBGA	0.013116	0.039725	0.97469	9.7469
CBG	0.021042	0.063692	0.36262	3.6262
CBD	0.13399	0.40669	ND	ND
THCV	0.087754	0.26609	ND	ND
CBN	0.072656	0.2208	ND	ND
Δ9-THC	0.1321	0.40008	0.83624	8.3624
Δ8-THC	0.1321	0.40102	ND	ND
CBC	0.037083	0.11238	ND	ND
THCa	0.050954	0.15286	37.032	370.32

Cannabinoid Totals	Limit (%)	Results (%)	Results (mg/g)
Total THC	N/A	33.313	333.13
Total CBD	N/A	0.16545	1.6545

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

Report Notes: N/A

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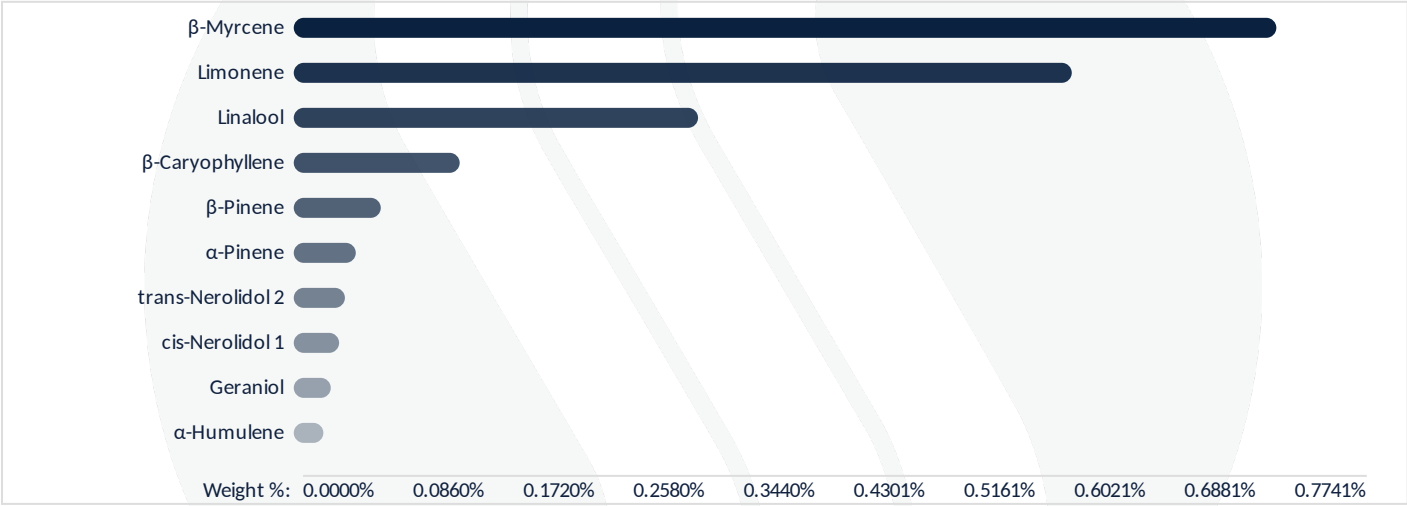
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Terpene Profile

Tested

Sample Analysis
Sample Prep Date: 08/28/2026
Sample Analysis Date: 08/31/2026
Analyzed By: GCMS
SOP: SOP LAB-15

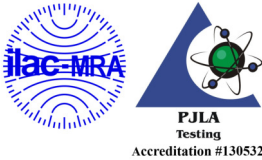
Analyte	LOD (%)	LOQ (%)	Results (%)	Results (mg/g)	Analyte	LOD (%)	LOQ (%)	Results (%)	Results (mg/g)
β-Myrcene	0.0019143	0.0057794	0.77411	7.7411	α-Bisabolol	0.0011851	0.0035916	ND	ND
Limonene	0.0017867	0.0053965	0.61294	6.1294	Caryophyllene Oxide	0.0032452	0.0098633	ND	ND
Linalool	0.00085688	0.0026071	0.31851	3.1851	Guaiol	0.0012397	0.0037557	ND	ND
β-Caryophyllene	0.0014585	0.0044303	0.13072	1.3072	Isopulegol	0.0011851	0.0035916	ND	ND
β-Pinene	0.0012215	0.0037192	0.068551	0.68551	Terpinolene	0.0015314	0.0046490	ND	ND
α-Pinene	0.0023154	0.0070009	0.048861	0.48861	γ-Terpinene	0.0016773	0.0051048	ND	ND
trans-Nerolidol 2	0.0017685	0.0053601	0.040292	0.40292	Eucalyptol	0.00021878	0.00069280	ND	ND
cis-Nerolidol 1	0.0014585	0.0044303	0.035734	0.35734	p-Cymene	0.00074749	0.0022789	ND	ND
Geraniol	0.0016226	0.0049043	0.029170	0.29170	Ocimene	0.0033181	0.010046	ND	ND
α-Humulene	0.0010574	0.0031905	0.023336	0.23336	α-Terpinene	0.0018961	0.0057247	ND	ND
Camphene	0.0015314	0.0046490	0.017320	0.17320	3-Carene	0.0016955	0.0051413	ND	ND



Report Notes: N/A

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Pesticides

Pass

Sample Analysis

Sample Prep Date: 08/28/2026
Sample Analysis Date: 08/31/2026
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	0.0355	0.107	0.0355	ND	Piperonyl butoxide	0.0178	0.0533	0.0178	ND
Aldicarb	0.0355	0.107	0.0355	ND	Pyrethrins	0.00355	0.0107	0.05	ND
Daminozide	0.0355	0.107	0.0355	ND	Spinosad	0.00355	0.0107	0.02	ND
DDVP (Dichlorvos)	0.00355	0.0107	0.00355	ND	Spirotetramat	0.00178	0.00533	0.01	ND
Diazinon	0.0178	0.0533	0.0178	ND	Thiamethoxam	0.00355	0.0107	0.02	ND
Dimethoate	0.0178	0.0533	0.0178	ND	Trifloxystrobin	0.00178	0.00533	0.01	ND
Etoxazole	0.0178	0.0533	0.0178	ND	Bifenazate	0.0178	0.0533	0.1	ND
Imidacloprid	0.0355	0.107	0.0355	ND	Cyfluthrin	0.00355	0.0107	0.01	ND
Myclobutanil	0.0178	0.0533	0.0178	ND	Flonicamid	0.00355	0.0107	0.03	ND
Paclobutrazol	0.0355	0.107	0.0355	ND	Fludioxonil	0.00178	0.00533	0.01	ND

Report Notes: N/A

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Mycotoxins

Pass

Sample Analysis
Sample Prep Date: 08/28/2026
Sample Analysis Date: 08/31/2026
Analyzed By: LC-MS/MS
SOP: LAB SOP-08

Analyte	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Results (ppb)
Aflatoxin B1	3.52	10.7	20	ND
Aflatoxin B2	3.52	10.7	20	ND
Aflatoxin G1	3.52	10.7	20	ND
Aflatoxin G2	3.52	10.7	20	ND
Total Aflatoxins	3.52	10.7	20	ND
Ochratoxin A	3.52	10.7	20	ND

Report Notes: N/A

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Heavy Metals

Pass

Sample Analysis
Sample Prep Date: 08/28/2026
Sample Analysis Date: 08/31/2026
Analyzed By: ICP-MS
SOP: SOP LAB-03

Analyte	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Results (ppm)
Arsenic	0.0714	0.213	0.42	ND
Cadmium	0.0445	0.130	0.27	ND
Mercury	0.0538	0.167	0.87	ND
Lead	0.0565	0.167	0.87	ND

Microbial Impurities

Pass

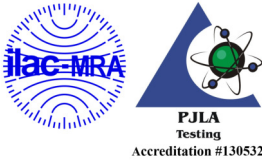
Sample Analysis
Sample Prep Date: 08/27/2026
Sample Analysis Date: 08/30/2026
Analyzed By: Hardy CompactDry Plates | bioMérieux GENE UP PCR
SOP: SOP LAB-04 | SOP Lab-17

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	1117
Salmonella spp.	Detected	Not Detected
STEC	Detected	Not Detected

Report Notes: N/A

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