



CERTIFICATE OF ANALYSIS

REPORTED: OCT 22, 2025

SAMPLE: BLUEBERRY 50MG FULL SPECRRUM GUMMIES (EDIBLE SOLID) // CLIENT: ROLLING PINES // BATCH: PASS



SAMPLE: BLUEBERRY 50MG FULL SPECRRUM GUMMIES
BATCH NO.: 1A4230100007851000000935
MATRIX: EDIBLE SOLID
CATEGORY: INFUSED EDIBLE
METRC ID: 1A4230100007851000000939
METRC BATCH ID: 1A4230100007851000000935
INTERNAL SAMPLE ID: AAL-251014-001
TEST COMPLETION DATE: OCT 21, 2025
COLLECTED ON: OCT 14, 2025
BATCH/SAMPLE SIZE: 8150 UNITS / 20 UNITS
SERVING/PACKAGE SIZE: 1.1 G / 55 G

CANNABINOID OVERVIEW

TOTAL THC: 10.978 mg/srv
TOTAL CBD: 0 mg/srv
TOTAL CANNABINOIDS: 10.978 mg/srv

CULTIVATOR INFO

CULTIVATOR
ROLLING PINES
2672A LOWER CENTERVILLE RD
LIBERTY, MS 39645
LICENSE
MCUL002757
MEDICINAL - CULTIVATION FACILITY

MANUFACTURER INFO

MANUFACTURER
ROLLING PINES
2672A LOWER CENTERVILLE RD
LIBERTY, MS 39645
LICENSE
MCUL002757
MEDICINAL - CULTIVATION FACILITY

BATCH RESULT: PASS

POTENCY	PASS	MYCOTOXINS	PASS
FOREIGN	PASS	PESTICIDES	PASS
METALS	PASS	SOLVENTS	PASS
MICROBIAL	PASS	WATER	PASS

AA-LAB-01: CANNABINOIDS PROFILE BY HPLC // OCT 15, 2025

ANALYTE	AMT (%)	AMT (mg/g)	LIMIT (mg)	LOD/LOQ (mg/g)	PASS/FAIL	ANALYTE	AMT (%)	AMT (mg/g)	LIMIT (mg)	LOD/LOQ (mg/g)	PASS/FAIL
CBC	ND	ND	N/A	0.090/0.280	N/A	THCA	ND	ND	N/A	0.100/0.320	N/A
CBCA	ND	ND	N/A	0.150/0.480	N/A	THCV	ND	ND	N/A	0.140/0.440	N/A
CBD	ND	ND	N/A	0.190/0.400	N/A	THCVA	ND	ND	N/A	0.100/0.300	N/A
CBDA	ND	ND	N/A	0.130/0.400	N/A	TOTAL THC**	0.998	9.98	N/A		N/A
CBDV	ND	ND	N/A	0.120/0.380	N/A	TOTAL CBD**	ND	ND	N/A		N/A
CBDVA	ND	ND	N/A	0.100/0.320	N/A	CBD/SRV	ND		N/A		N/A
CBG	< LOQ	< LOQ	N/A	0.080/0.260	N/A	Δ ⁹ -THC/SRV	10.978 mg		N/A		N/A
CBGA	ND	ND	N/A	0.110/0.340	N/A	TOTAL	10.978 mg		11		PASS
CBN	ND	ND	N/A	0.110/0.340	N/A	THC/SRV**					
Δ ⁹ -THC	ND	ND	N/A	0.210/0.700	N/A	TOTAL	ND		N/A		N/A
Δ ⁸ -THCA	ND	ND	N/A	0.110/0.350	N/A	CBD/SRV**	ND		N/A		N/A
Δ ⁸ -THCV	ND	ND	N/A	0.090/0.300	N/A	CBD/PKG	ND		N/A		N/A
Δ ⁹ -THC	0.998	9.98	N/A	0.170/0.540	N/A	Δ ⁹ -THC/PKG	548.900 mg		N/A		N/A
						TOTAL	548.900 mg		N/A		N/A
						THC/PKG**	mg		N/A		N/A
						TOTAL	ND		N/A		N/A
						CBD/PKG**					

** TOTAL THC = (THCA X 0.877) + DELTA-9-THC

** TOTAL CBD = (CBDA X 0.877) + CBD

TOTAL CANNABINOIDS = (CANNABINOID ACID FORM CONCENTRATION X 0.877) + CANNABINOID CONCENTRATION

RESULTS CERTIFIED BY: BRANDI GOODMAN

LAB DIRECTOR, ALCHEMY ANALYTICS, LLC

OCT 22, 2025

Brandi Goodman



All LQC samples required by the Mississippi Department of Health's (MSDH) regulations for Cannabis Testing Facilities were performed and met the MSDH's defined acceptance criteria. Notwithstanding this compliance, this information is provided as a service, and Alchemy makes no claims of efficacy and/or safety of this product. The results provided are applicable only for the sample(s) analyzed; in the form analyzed; for the specific analysis conducted; and only for compliance with the Mississippi Medical Cannabis Act, Miss. Code Ann. § 41-137-35, et. seq. The statements and results provided in this report have not been approved and/or endorsed by the FDA. Thus, this report is for informational purposes only and should not be used to diagnose, treat, or prevent any medical-related symptoms. Measurement Uncertainty is available upon request. Unless otherwise stated; Decision Rules are following the Mississippi Medical Cannabis Act, Miss. Code Ann. § 41-137-35, et. seq. regulations. This report should only be reproduced in full.

AA-LAB-07: MICROBIAL PROFILE // OCT 14, 2025

ANALYTE	AMT (CFU/g)	LIMIT (CFU/g)	PASS/FAIL
ASPERGILLUS FLAVUS	ND	Any amt in 1 gram	PASS
ASPERGILLUS FUMIGATUS	ND	Any amt in 1 gram	PASS
ASPERGILLUS NIGER	ND	Any amt in 1 gram	PASS
ASPERGILLUS TERREUS	ND	Any amt in 1 gram	PASS
COLIFORMS	ND	100	PASS
SALMONELLA SPP.	ND	Any amt in 1 gram	PASS
SHIGA TOXIN-PRODUCING E. COLI	ND	Any amt in 1 gram	PASS
YEAST & MOLD	ND	10000	PASS

AA-LAB-02, AA-LAB-03: MYCOTOXIN PROFILE BY LCMSTQ // OCT 20, 2025

ANALYTE	AMT (µg/kg)	LIMIT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN B1	ND	N/A	1.409/4.269	N/A
AFLATOXIN B2	ND	N/A	0.862/2.611	N/A
AFLATOXIN G1	ND	N/A	1.989/6.026	N/A
AFLATOXIN G2	ND	N/A	1.519/4.603	N/A
AFLATOXINS	ND	20		PASS
OCHRATOXIN A	ND	20	3.101/9.396	PASS

AA-LAB-02: PESTICIDE PROFILE BY LCMSTQ // OCT 20, 2025

ANALYTE	AMT (µg/g)	LIMIT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	ND	0.5	0.101/0.305	PASS
ACEPHATE	ND	0.4	0.033/0.099	PASS
ACEQUINOCYL	ND	2	0.015/0.046	PASS
ACETAMIPRID	ND	0.2	0.018/0.053	PASS
ALDICARB	ND	0.4	0.016/0.049	PASS
AZOXYSTROBIN	ND	0.2	0.017/0.052	PASS
BIFENAZATE	ND	0.2	0.019/0.056	PASS
BIFENTHRIN	ND	0.2	0.023/0.070	PASS
BOSCALID	ND	0.4	0.022/0.065	PASS
CARBARYL	ND	0.2	0.034/0.102	PASS
CARBOFURAN	ND	0.2	0.017/0.052	PASS
CHLORANTRANIL-IPROLE	ND	0.2	0.021/0.064	PASS
CHLORFENAPYR	ND	1	0.069/0.209	PASS
CHLORMEQUAT CHLORIDE	ND	0.2	0.017/0.052	PASS
CHLORPYRIFOS	ND	0.2	0.019/0.059	PASS
CLOFENTEZINE	ND	0.2	0.024/0.072	PASS
CYFLUTHRIN	ND	1	0.173/0.523	PASS
CYPERMETHRIN	ND	1	0.052/0.157	PASS
DAMINOZIDE	ND	1	0.043/0.131	PASS
DIAZINON	ND	0.2	0.022/0.067	PASS
DICHLORVOS	ND	0.1	0.024/0.071	PASS
DIMETHOATE	ND	0.2	0.016/0.047	PASS
ETHOPROPHOS	ND	0.2	0.029/0.088	PASS
ETOFENPROX	ND	0.4	0.016/0.047	PASS
ETOXAZOLE	ND	0.2	0.015/0.047	PASS
FENOXYCARB	ND	0.2	0.020/0.062	PASS
FENPYROXIMATE	ND	0.4	0.014/0.042	PASS
FIPRONIL	ND	0.4	0.053/0.160	PASS
FLONICAMID	ND	1	0.017/0.052	PASS
FLUDIOXONIL	ND	0.4	0.019/0.057	PASS
HEXYTHIAZOX	ND	1	0.023/0.069	PASS
IMAZALIL	ND	0.2	0.030/0.092	PASS
IMIDACLOPRID	ND	0.4	0.017/0.052	PASS
KRESOXIM-METHYL	ND	0.4	0.025/0.074	PASS
MALATHION	ND	0.2	0.024/0.073	PASS
METALAXYL	ND	0.2	0.033/0.100	PASS
METHIOCARB	ND	0.2	0.048/0.146	PASS
METHOMYL	ND	0.4	0.017/0.053	PASS
METHYL PARATHION	ND	0.2	0.022/0.066	PASS

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OCT 22, 2025

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REGULATORY COMPLIANCE TESTING

AAL-251014-001

MYCLOBUTANIL	ND	0.2	0.040/0.120	PASS
NALED	ND	0.5	0.054/0.164	PASS
OXAMYL	ND	1	0.016/0.049	PASS
PACLOBUTRAZOL	ND	0.4	0.018/0.053	PASS
PERMETHRIN	ND	0.2	0.054/0.163	PASS
PHOSMET	ND	0.2	0.020/0.059	PASS
PIPERONYLBUTO- XIDE	ND	2	0.017/0.051	PASS
PRALLETHRIN	ND	0.2	0.031/0.095	PASS
PROPICONAZOLE	ND	0.4	0.023/0.069	PASS
PROPOXUR	ND	0.2	0.025/0.075	PASS
PYRETHRINS	ND	1	0.010/0.029	PASS
PYRIDABEN	ND	0.2	0.018/0.055	PASS
SPINOSAD	ND	0.2	0.017/0.052	PASS
SPIROMESIFEN	ND	0.2	0.016/0.049	PASS
SPIROTETRAMAT	ND	0.2	0.021/0.064	PASS
SPIROXAMINE	ND	0.4	0.018/0.055	PASS
TEBUCONAZOLE	ND	0.4	0.026/0.078	PASS
THIACLOPRID	ND	0.2	0.023/0.071	PASS
THIAMETHOXAM	ND	0.2	0.016/0.050	PASS
TRIFLOXYSTROB- IN	ND	0.2	0.020/0.060	PASS

AA-LAB-06: HEAVY METAL PROFILE BY ICP-MS // OCT 20, 2025

ANALYTE	AMT (µg/g)	LIMIT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ARSENIC	ND	1.5	0.054/0.109	PASS
CADMIUM	ND	0.5	0.048/0.096	PASS
CHROMIUM	ND	2	0.072/0.145	PASS
COPPER	ND	N/A	0.070/0.140	N/A
LEAD	ND	0.5	0.050/0.101	PASS
MERCURY	ND	3	0.027/0.053	PASS
NICKEL	< LOQ	N/A	0.058/0.116	N/A

AA-LAB-08: WATER ACTIVITY // OCT 15, 2025

ANALYTE	AMT (Aw)	LIMIT (Aw)	PASS/FAIL
WATER ACTIVITY	0.663	0.85	PASS

AA-LAB-11: FOREIGN MATERIAL // OCT 15, 2025

ANALYTE	AMT (%)	LIMIT (%)	PASS/FAIL
IMBEDDED FOREIGN MATERIAL	ND	25	PASS
INSECT FRAGMENTS, HAIR, MAMMAL EXCREMENT	ND	1 Unit	PASS
MOLD	ND	25	PASS
SAND, SOIL, CINDERS, DIRT	ND	25	PASS

AA-LAB-05: RESIDUAL SOLVENT PROFILE BY GC/MSD/HS // OCT 21, 2025

ANALYTE	AMT (µg/g)	LIMIT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
2-PROPANOL	ND	5000	24.991/137.265	PASS
ACETONE	ND	1000	24.991/118.847	PASS
ACETONITRILE	ND	410	24.993/126.924	PASS
BENZENE	ND	2	0.251/1.181	PASS
BUTANES	ND	5000		PASS
BUTANE	ND	N/A	12.515/63.833	N/A
ISOBUTANE	ND	N/A	12.504/64.649	N/A
CHLOROFORM	ND	60	0.250/1.293	PASS
DICHLOROMETHA- NE	ND	600		PASS
ETHANOL	1980.705	5000	24.994/136.749	PASS
ETHYL ACETATE	ND	5000	24.994/111.122	PASS
ETHYL ETHER	ND	5000		PASS
HEPTANE	ND	5000	24.995/106.097	PASS
HEXANES	ND	290		PASS

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REGULATORY COMPLIANCE TESTING

AAL-251014-001

HEXANE	ND	N/A	5.000/24.347	N/A
2-METHYLPENTANE	ND	N/A	5.000/22.810	N/A
3-METHYLPENTANE	ND	N/A	5.001/22.839	N/A
2,2-DIMETHYLBUTANE	ND	N/A	5.001/23.703	N/A
2,3-DIMETHYLBUTANE	ND	N/A	5.004/23.526	N/A
ISOPROPYL ACETATE	ND	5000	24.994/116.143	PASS
METHANOL	ND	3000	24.993/132.900	PASS
PENTANES	ND	5000		PASS
PENTANE	ND	N/A	8.333/40.580	N/A
ISOPENTANE	ND	N/A	8.334/41.308	N/A
NEOPENTANE	ND	N/A	8.274/42.000	N/A
PROPANE	ND	5000	25.026/131.928	PASS
TOLUENE	ND	890	24.994/104.923	PASS
TOTAL XYLENES	ND	2170		PASS
ETHYLBENZENE	ND	N/A	6.251/29.304	N/A
O-XYLENE	ND	N/A	6.253/29.213	N/A
P- AND M-XYLENE	ND	N/A	12.504/58.696	N/A

ALCHEMY ANALYTICS

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