



## CERTIFICATE OF ANALYSIS

REPORTED: DEC 11, 2025

SAMPLE: 1G COMA VC (CONCENTRATE) // CLIENT: ROLLING PINES // BATCH: PASS



**SAMPLE:** 1G COMA VC  
**BATCH NO.:** 1A4230100007851000001052  
**MATRIX:** CONCENTRATE  
**CATEGORY:** VAPE CARTRIDGE  
**METRC ID:** 1A4230100007851000001062  
**METRC BATCH ID:** 1A4230100007851000001052  
**INTERNAL SAMPLE ID:** AAL-251205-010  
**TEST COMPLETION DATE:** DEC 11, 2025  
**COLLECTED ON:** DEC 05, 2025  
**BATCH/SAMPLE SIZE:** 744 UNITS / 10 UNITS

## CANNABINOID OVERVIEW

<b>TOTAL THC:</b>	58.668 %
<b>TOTAL CBD:</b>	0.264 %
<b>TOTAL CANNABINOID:</b>	68.526 %

## MANUFACTURER INFO

**MANUFACTURER**  
 ROLLING PINES  
 2672A LOWER CENTERVILLE RD  
 LIBERTY, MS 39645

**LICENSE**  
 MCUL002757  
 MEDICINAL - CULTIVATION FACILITY

## BATCH RESULT: PASS

<b>POTENCY</b>	PASS	<b>PESTICIDES</b>	PASS
<b>FOREIGN</b>	PASS	<b>SOLVENTS</b>	PASS
<b>METALS</b>	PASS	<b>TERPENES</b>	TESTED
<b>MICROBIAL</b>	PASS	<b>WATER</b>	TESTED
<b>MYCOTOXINS</b>	PASS		

## AA-LAB-01: CANNABINOID PROFILE BY HPLC // DEC 08, 2025

ANALYTE	AMT (%)	AMT (mg/g)	LIMIT (%)	LOD/LOQ (mg/g)	PASS/FAIL
CBC	6.119	61.19	N/A	0.090/0.280	N/A
CBCA	ND	ND	N/A	0.150/0.480	N/A
CBD	0.264	2.64	N/A	0.190/0.400	N/A
CBDA	ND	ND	N/A	0.130/0.400	N/A
CBDV	ND	ND	N/A	0.120/0.380	N/A
CBDVA	ND	ND	N/A	0.100/0.320	N/A
CBG	2.644	26.44	N/A	0.080/0.260	N/A
CBGA	ND	ND	N/A	0.110/0.340	N/A
CBN	0.530	5.30	N/A	0.110/0.340	N/A

ANALYTE	AMT (%)	AMT (mg/g)	LIMIT (%)	LOD/LOQ (mg/g)	PASS/FAIL
$\Delta^8\text{-THC}$	ND	ND	N/A	0.210/0.700	N/A
$\Delta^8\text{-THCA}$	ND	ND	N/A	0.110/0.350	N/A
$\Delta^8\text{-THCV}$	ND	ND	N/A	0.090/0.300	N/A
$\Delta^9\text{-THC}$	58.131	581.31	N/A	0.170/0.540	N/A
THCA	0.612	6.12	N/A	0.100/0.320	N/A
THCV	0.301	3.01	N/A	0.140/0.440	N/A
THCVA	ND	ND	N/A	0.100/0.300	N/A
<b>TOTAL THC**</b>	<b>58.668</b>	<b>586.68</b>	<b>60.5</b>		<b>PASS</b>
<b>TOTAL CBD**</b>	<b>0.264</b>	<b>2.64</b>	<b>N/A</b>		<b>N/A</b>

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

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

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

RESULTS CERTIFIED BY: BRANDI GOODMAN  
LAB DIRECTOR, ALCHEMY ANALYTICS, LLC

DEC 11, 2025

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## AA-LAB-04: TERPENOID PROFILE BY GC/MSD // DEC 10, 2025

ANALYTE	AMT (%)	AMT (mg/g)	LIMIT (%)	LOD/LOQ (mg/g)	PASS/FAIL
<b>TOTAL TERPENES</b>	5.550	55.50	N/A		N/A
$\beta$ -CARYOPHYLLENE	2.140	21.40	N/A	0.157/0.475	N/A
LIMONENE	0.936	9.36	N/A	0.042/0.127	N/A
$\beta$ -MYRCENE	0.662	6.62	N/A	0.078/0.236	N/A
LINALOOL	0.391	3.91	N/A	0.078/0.235	N/A
$\alpha$ -PINENE	0.344	3.44	N/A	0.034/0.104	N/A
VALENCENE	0.293	2.93	N/A	0.041/0.123	N/A
$\alpha$ -HUMULENE	0.247	2.47	N/A	0.105/0.318	N/A
$\beta$ -PINENE	0.207	2.07	N/A	0.042/0.127	N/A
$\alpha$ -BISABOLOL	0.101	1.01	N/A	0.086/0.262	N/A
ENDO FENCHYL ALCOHOL	0.082	0.82	N/A	0.049/0.148	N/A
$\alpha$ -TERPINEOL	0.061	0.61	N/A	0.140/0.425	N/A
CARYOPHYLLENE OXIDE	0.041	0.41	N/A	0.122/0.369	N/A
CAMPHENENE	0.025	0.25	N/A	0.034/0.101	N/A
TERPINOLENE	0.021	0.21	N/A	0.050/0.151	N/A
CIS-OCIMENE	< LOQ	< LOQ	N/A	0.037/0.113	N/A
$\Delta^3$ -CARENE	< LOQ	< LOQ	N/A	0.117/0.355	N/A
MENTHOL	< LOQ	< LOQ	N/A	0.086/0.260	N/A
$\alpha$ -CEDRENE	ND	ND	N/A	0.099/0.299	N/A
$\alpha$ -PHELLANDRENE	ND	ND	N/A	0.031/0.093	N/A
$\alpha$ -TERPINENE	ND	ND	N/A	0.047/0.142	N/A
BORNEOL	ND	ND	N/A	0.096/0.291	N/A
CAMPHOR	ND	ND	N/A	0.042/0.128	N/A
CEDROL	ND	ND	N/A	0.070/0.211	N/A
CIS-NEROLIDOL	ND	ND	N/A	0.113/0.342	N/A
EUCALYPTOL	ND	ND	N/A	0.039/0.118	N/A
FARNESENE	ND	ND	N/A	0.113/0.342	N/A
FENCHONE	ND	ND	N/A	0.053/0.160	N/A
$\gamma$ -TERPINENE	ND	ND	N/A	0.060/0.182	N/A
GERANIOL	ND	ND	N/A	0.090/0.274	N/A
GERANYL ACETATE	ND	ND	N/A	0.075/0.228	N/A
GUAIOL	ND	ND	N/A	0.072/0.217	N/A
ISOBORNEOL	ND	ND	N/A	0.090/0.273	N/A
ISOPULEGOL	ND	ND	N/A	0.128/0.387	N/A
NEROL	ND	ND	N/A	0.077/0.233	N/A
PULEGONE	ND	ND	N/A	0.073/0.221	N/A
SABINENE	ND	ND	N/A	0.041/0.124	N/A
SABINENE HYDRATE	ND	ND	N/A	0.151/0.456	N/A
TRANS-NEROLIDOL	ND	ND	N/A	0.108/0.327	N/A
TRANS-OCIMENE	ND	ND	N/A	0.036/0.108	N/A

## AA-LAB-07: MICROBIAL PROFILE // DEC 08, 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 // DEC 11, 2025

ANALYTE	AMT ( $\mu$ g/kg)	LIMIT ( $\mu$ g/kg)	LOD/LOQ ( $\mu$ g/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

RESULTS CERTIFIED BY: BRANDI GOODMAN  
LAB DIRECTOR, ALCHEMY ANALYTICS, LLC

DEC 11, 2025

*Brandi Goodman*

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## AA-LAB-02: PESTICIDE PROFILE BY LCMSTQ // DEC 11, 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-	ND	0.2	0.021/0.064	PASS
IPROLE				
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
ETOGENPROX	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
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
PIPERONYLBUTOXIDE	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 // DEC 08, 2025

RESULTS CERTIFIED BY: BRANDI GOODMAN  
 LAB DIRECTOR, ALCHEMY ANALYTICS, LLC  
 DEC 11, 2025



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ANALYTE	AMT (µg/g)	LIMIT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ARSENIC	ND	0.2	0.054/0.109	PASS
CADMIUM	ND	0.2	0.048/0.096	PASS
CHROMIUM	ND	0.6	0.072/0.145	PASS
COPPER	ND	3	0.070/0.140	PASS
LEAD	ND	0.5	0.050/0.101	PASS
MERCURY	ND	0.1	0.027/0.053	PASS
NICKEL	ND	0.5	0.058/0.116	PASS

## AA-LAB-08: WATER ACTIVITY // DEC 09, 2025

ANALYTE	AMT (Aw)	LIMIT (Aw)	PASS/FAIL
WATER ACTIVITY	0.595	N/A	N/A

## AA-LAB-11: FOREIGN MATERIAL // DEC 08, 2025

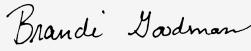
ANALYTE	AMT (%)	LIMIT (%)	PASS/FAIL
IMBEDDED FOREIGN MATERIAL	ND	25	PASS
INSECT FRAGMENTS, HAIR, MAMMAL EXCRETION	ND	1 Unit	PASS
MOLD	ND	25	PASS
SAND, SOIL, CINDERS, DIRT	ND	25	PASS

## AA-LAB-05: RESIDUAL SOLVENT PROFILE BY GC/MSD/HS // DEC 10, 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
DICHLOROMETHANE	ND	600		PASS
ETHANOL	ND	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
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 XYLEMES	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

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