




## Certificate of Analysis

Compliance Test

<b>Client Information:</b> <b>Liquid lava</b> 670 Kingsley ave Orange park, Florida 32803	<b>Manufacturing Facility:</b> Liquid lava 670 Kingsley ave Orange park, Florida 32803	<b>Batch Data:</b> Batch # 87 Batch Date: 2026-03-19 Extracted From: hemp	<b>Order Details:</b> Test Reg State: Texas
---	---	--	--

<b>Order #</b> LIQ260320-240001 <b>Order Date:</b> 2026-03-20 <b>Sample #</b> AAH0011	<b>Sampling Date:</b> 2026-03-20 <b>Lab Batch Date:</b> 2026-03-20 <b>Orig. Completion Date:</b> 2026-03-30	<b>Volume:</b> 60 ml	<b>Net Weight per Serving:</b> 2.5 ml <b>Servings Per Package:</b> 24
--	---	----------------------	--

Statement of Amendment: Report format; full compliance panel



<b>Staphylococcus Aureus</b> <b>Passed</b>	<b>Campylobacter</b> <b>Tested</b>	<b>Microbiology - Yersinia spp</b> <b>Tested</b>	<b>Potency 11 (LCMS)</b> <b>Tested</b>	<b>Pesticides</b> <b>Passed</b>
<b>Residual Solvents</b> <b>Passed</b>	<b>Pathogenic Microbiology</b> <b>Passed</b>	<b>Listeria Monocytogenes</b> <b>Passed</b>	<b>Microbiology Petrifilm</b> <b>Passed</b>	

**Potency Summary**

<b>Delta 9 THC</b> per Serving per Package	<b>0.257%</b> 6.43 mg 154 mg	<b>Total Active CBD</b> per Serving per Package	<b>0.000109%</b> 0.00273 mg 0.0654 mg
<b>Total CBG</b> per Serving per Package	<b>0.000122%</b> 0.00305 mg 0.0732 mg	<b>Total CBN</b> per Serving per Package	<b>0.000171%</b> 0.00428 mg 0.103 mg
<b>Total Cannabinoids</b> per Serving per Package	<b>0.276%</b> 6.90 mg 166 mg	<b>Total Active THC</b> per Serving per Package	<b>0.257%</b> 6.43 mg 154 mg

Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.867), Total Active THC = THCA-A \* 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA \* 0.87), CBG Total = (CBGA \* 0.878) + CBG, CBN Total = (CBNA \* 0.876) + CBN, Total CBC = CBC + (CBCA \* 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram, The results apply to the sample as received. , \* Measurement of Uncertainty for all test panels ≤15% Revised report- see statement of amendment above.  
This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "\*" are not ISO/IEC 17025:2017 accredited test results.



## Certificate of Analysis

Compliance Test

<b>Client Information:</b> <b>Liquid lava</b> 670 Kingsley ave Orange park, Florida 32803	<b>Manufacturing Facility:</b> Liquid lava 670 Kingsley ave Orange park, Florida 32803	<b>Batch Data:</b> Batch # 87 Batch Date: 2026-03-19 Extracted From: hemp	<b>Order Details:</b> Test Reg State: Texas
---	---	--	--

Order # LIQ260320-240001 Order Date: 2026-03-20 Sample # AAHO011	Sampling Date: 2026-03-20 Lab Batch Date: 2026-03-20 Orig. Completion Date: 2026-03-30	Volume: 60 ml	Net Weight per Serving: 2.5 ml Servings Per Package: 24
--	--	---------------	--

Potency 11 - (LCMS) Specimen Weight: 52000.000 mg						Tested	SOP13.030 (LCMS)	
Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (µg/ml)	(%)		Per Serving (mg)	Per Package (mg)
Delta-9 THC	400.000	2.980000E-5	7.5E-5	2570	0.257		6.41	154
Delta-8 THC	40.000	8.360000E-7	7.5E-5	183	0.0183		0.458	11.0
THCV	8.000	1.240000E-6	7.5E-5	10.1	0.00101		0.0253	0.608
CBN	8.000	1.250000E-6	7.5E-5	1.71	0.000171		0.00428	0.103
CBG	8.000	4.000000E-7	7.5E-5	1.22	0.000122		0.00305	0.0732
CBD	8.000	3.370000E-7	7.5E-5	1.09	0.000109		0.00273	0.0654
CBC	8.000	1.940000E-6	7.5E-5	<LOQ	<LOQ		0.00	0.00
CBDA	8.000	7.780000E-8	7.5E-5	<LOQ	<LOQ		0.00	0.00
CBDV	8.000	9.800000E-8	7.5E-5	<LOQ	<LOQ		0.00	0.00
CBGA	8.000	4.710000E-8	7.5E-5	<LOQ	<LOQ		0.00	0.00
THCA-A	8.000	1.510000E-7	7.5E-5	<LOQ	<LOQ		0.00	0.00
Total Active THC	8.000			2570	0.257		0.00	0.00
Total Active CBD	8.000			1.00	0.000109		0.00	0.00

Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "\*" are not ISO/IEC 17025:2017 accredited test results.





## Certificate of Analysis

Compliance Test

<b>Client Information:</b> <b>Liquid lava</b> 670 Kingsley ave Orange park, Florida 32803	<b>Manufacturing Facility:</b> Liquid lava 670 Kingsley ave Orange park, Florida 32803	<b>Batch Data:</b> Batch # 87 Batch Date: 2026-03-19 Extracted From: hemp	<b>Order Details:</b> Test Reg State: Texas
---	---	--	--

<b>Order #</b> LIQ260320-240001 <b>Order Date:</b> 2026-03-20 <b>Sample #</b> AAH0011	<b>Sampling Date:</b> 2026-03-20 <b>Lab Batch Date:</b> 2026-03-20 <b>Orig. Completion Date:</b> 2026-03-30	<b>Volume:</b> 60 ml	<b>Net Weight per Serving:</b> 2.5 ml <b>Servings Per Package:</b> 24
--	---	----------------------	--

<b>Staphylococcus Aureus</b> Specimen Weight: 118.400 mg Dilution Factor: 1.000 Analyte Staphylococcus aureus	<b style="color: green;">Passed</b> SOP13.029 (qPCR)
	Result (cfu/g) Absence

<b>Campylobacter Multi State *</b> Specimen Weight: 514.400 mg Dilution Factor: 1.000 Analyte Campylobacter spp	<b style="color: green;">Tested</b> SOP MIC-012 (Immunochromatographic)
	Result (cfu/g) <LOQ

<b>Listeria Monocytogenes</b> Specimen Weight: 508.300 mg Dilution Factor: 1.000 Analyte Listeria Monocytogenes	<b style="color: green;">Passed</b> SOP13.032 (qPCR)

<b>Microbiology- Yersinia spp. Multi State *</b> Specimen Weight: 255.000 mg Dilution Factor: 1.000 Analyte Yersinia enterocolitica	<b style="color: green;">Tested</b> SOP MIC-013 (Plating/PCR)
	Result (cfu/g) Absence
	Analyte Yersinia pseudotuberculosis Result (cfu/g) Absence

Aixia Sun Lab Director/Principal Scientist  
 D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "\*" are not ISO/IEC 17025:2017 accredited test results.





## Certificate of Analysis

Compliance Test

<b>Client Information:</b> <b>Liquid lava</b> <b>670 Kingsley ave</b> <b>Orange park, Florida</b> <b>32803</b>	<b>Manufacturing Facility:</b> Liquid lava 670 Kingsley ave Orange park, Florida 32803	<b>Batch Data:</b> Batch # 87 Batch Date: 2026-03-19 Extracted From: hemp	<b>Order Details:</b> Test Reg State: Texas
--	---	--	--

<b>Order #</b> LIQ260320-240001 <b>Order Date:</b> 2026-03-20 <b>Sample #</b> AAH0011	<b>Sampling Date:</b> 2026-03-20 <b>Lab Batch Date:</b> 2026-03-20 <b>Orig. Completion Date:</b> 2026-03-30	<b>Volume:</b> 60 ml	<b>Net Weight per Serving:</b> 2.5 ml <b>Servings Per Package:</b> 24
--	---	----------------------	--

	<b>Microbiology Plating Multi State</b> Specimen Weight: 503.800 mg	Passed SOP13.003 (Petrifilm)					
Dilution Factor: 1.000							
Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Total Aerobic Count	1000	100000	<1000	Total Yeast/Mold	1000	100000	<1000

	<b>Pathogenic Microbiology SAE (MicroArray) Multi State</b> Specimen Weight: 521.800 mg	Passed SOP13.019 (Micro Array)			
Dilution Factor: 1.000					
Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
E. Coli	1	Absence in 1g	STX1 Gene	1	Absence in 1g
Salmonella	1	Absence in 1g	STX2 Gene	1	Absence in 1g
Shiga toxin-producing E. coli (STEC)	1	Absence in 1g			

Aixia Sun Lab Director/Principal Scientist  
 D.H.Sc., M.Sc., B.Sc., MT (AAB)

**Definitions are found on page 1**

*This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "\*" are not ISO/IEC 17025:2017 accredited test results.*





## Certificate of Analysis

Compliance Test

<b>Client Information:</b> <b>Liquid lava</b> 670 Kingsley ave Orange park, Florida 32803	<b>Manufacturing Facility:</b> Liquid lava 670 Kingsley ave Orange park, Florida 32803	<b>Batch Data:</b> Batch # 87 Batch Date: 2026-03-19 Extracted From: hemp	<b>Order Details:</b> Test Reg State: Texas
---	---	--	--

Order # LIQ260320-240001 Order Date: 2026-03-20 Sample # AAHQ011	Sampling Date: 2026-03-20 Lab Batch Date: 2026-03-20 Orig. Completion Date: 2026-03-30	Volume: 60 ml	Net Weight per Serving: 2.5 ml Servings Per Package: 24
--	--	---------------	--

<b>Residual Solvents Multi State - Ingestion</b>					<b>Passed</b>				
Specimen Weight: 15.600 mg					SOP13.039 (GCMS-HS)				
Dilution Factor: 1.000									
Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.009	1.6	2	<LOQ	Heptane	0.001	13.9	500	<LOQ
1,2-Dichloroethane	0.000	0.5	2	<LOQ	Hexane	0.068	11.7	10	<LOQ
Acetone	0.015	20.8	500	<LOQ	Isopropyl alcohol	0.005	13.9	500	<LOQ
Acetonitrile	0.060	11.7	50	<LOQ	Methanol	0.001	6.9	250	19.3
Benzene	0.000	0.2	1	<LOQ	Methylene chloride	0.003	24.3	1	<LOQ
Butane	0.417	25	800	<LOQ	Pentane	0.037	20.8	500	<LOQ
Chloroform	0.000	0.4	1	<LOQ	Propane	0.031	58.3	500	<LOQ
Ethanol	0.002	27.8	2500	<LOQ	Toluene	0.001	29.2	1	<LOQ
Ethyl Acetate	0.001	11.1	400	<LOQ	Total Xylenes	0.000	29.2	3	<LOQ
Ethyl Ether	0.005	13.9	500	<LOQ	Trichloroethylene	0.001	4.9	1	<LOQ
Ethylene Oxide	0.004	1	1	<LOQ					

<b>Pesticides Multi State - Ingestion</b>					<b>Passed</b>				
Specimen Weight: 300.000 mg					SOP13.007 (LCMS/GCMS)				
Dilution Factor: 5.000									
Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Acetamiprid	0.140	24.8	3000	<LOQ	Fonicamid	0.466	24.8	2000	<LOQ
Aldicarb	0.203	24.8	100	<LOQ	Imidacloprid	0.402	24.8	3000	<LOQ
Azoxystrobin	0.188	24.8	3000	<LOQ	Metalaxyl	0.270	24.8	3000	<LOQ
Bifenazate	0.086	24.8	3000	<LOQ	Methiocarb	0.118	24.8	100	<LOQ
Boscalid	0.595	24.8	3000	<LOQ	Methomyl	0.064	24.8	100	<LOQ
Carbaryl	0.122	24.8	500	<LOQ	methyl-Parathion	0.820	24.8	100	<LOQ
Carbofuran	0.086	24.8	100	<LOQ	Myclobutanil	0.573	24.8	3000	<LOQ
Chlorantraniliprole	0.084	24.8	3000	<LOQ	Oxamyl	0.041	24.8	500	<LOQ
Chlorpyrifos	0.109	24.8	100	<LOQ	Permethrins	0.624	24.8	1000	<LOQ
Cypermethrin	0.985	24.8	1000	<LOQ	Pyridaben	0.140	24.8	3000	<LOQ
Diazinon	0.212	24.8	200	<LOQ	Spiroxamine	0.533	24.8	100	<LOQ
Dichlorvos	1.130	24.8	100	<LOQ	Tebuconazole	0.230	24.8	1000	<LOQ
Ethoprophos	0.151	24.8	100	<LOQ	Thiacloprid	0.170	24.8	100	<LOQ
Etofenprox	0.172	24.8	100	<LOQ	Thiamethoxam	0.179	24.8	1000	<LOQ
Fipronil	0.317	24.8	100	<LOQ					

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)

**Definitions are found on page 1**

*This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "\*" are not ISO/IEC 17025:2017 accredited test results.*

