



Certificate of Analysis
Compliance Test

Client Information:

RA Royal
41 enterprise dr
Unit 101

Batch # 061625028
Batch Date: 2025-06-13
Extracted From: Hemp

Test Reg State: Georgia

Production Facility: RA Royal
Production Date: 2025-06-13

Order # RAR250616-030001
Order Date: 2025-06-16
Sample # AAGV107

Sampling Date: 2025-06-19
Lab Batch Date: 2025-06-19
Completion Date: 2025-06-29

Initial Gross Weight: 201.200 g

Number of Units: 1
Net Weight per Unit: 150000.000 mg



Product Image



Potency
Tested



HHCP
Tested

Potency (LCUV) (GA) + Potency 25 (LCUV)

Specimen Weight: 202.500 mg

Tested

SOP13.001 (LCUV)



Potency Summary

1.663%	Total HHC 2495.145 mg	-	Total Active THC None Detected
-	Total Active CBD None Detected	-	Total CBG None Detected
0.053%	Total CBN 79.5 mg	6.913%	Total Cannabinoids 10369.5 mg

Summary Results determined from two distinct Potency Tests - Potency (LCUV) (GA) + Potency 25 (LCUV)

Pieces For Panel: 30

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	10.000	2.60E-5	0.0015	47.9800	4.7980
Delta-9-THCP *	10.000	1.17E-5	0.0012	3.3200	0.3320
CBN	10.000	1.40E-5	0.0015	0.5300	0.0530
Delta-8 THCV	10.000	4.00E-5	0.0015	0.2400	0.0240
Delta-10 THC	10.000	3.00E-6	0.0015	0.1700	0.0170
CBT	10.000	2.00E-4	0.0015	0.1500	0.0150
Delta-8-THCP *	10.000	3.75E-4	0.0015	0.1100	0.0110
CBD	10.000	5.40E-5	0.0015	<LOQ	<LOQ
CBDA	10.000	1.00E-5	0.0015	<LOQ	<LOQ
CBG	10.000	2.48E-4	0.0015	<LOQ	<LOQ
CBGA	10.000	8.00E-5	0.0015	<LOQ	<LOQ
Delta-9 THC	10.000	2.80E-4	0.075	<LOQ	<LOQ
Delta-9 THC-O Acetate	10.000	7.70E-5	0.003	<LOQ	<LOQ
Exo-THC	10.000	2.30E-4	0.0015	<LOQ	<LOQ
CBC	10.000	2.76E-5	0.075	<LOQ	<LOQ
CBCA	10.000	1.07E-4	0.0015	<LOQ	<LOQ
CBDV	10.000	6.50E-5	0.0015	<LOQ	<LOQ
CBDVA	10.000	1.40E-5	0.0015	<LOQ	<LOQ
CBL	10.000	3.50E-5	0.0015	<LOQ	<LOQ
CBNA	10.000	9.50E-5	0.0015	<LOQ	<LOQ
Delta-8 THC-O Acetate	10.000	2.70E-5	0.003	<LOQ	<LOQ
THCA-A	10.000	3.20E-5	0.0015	<LOQ	<LOQ
THCB *	10.000	1.80E-4	0.00195	<LOQ	<LOQ
THCH *	10.000	3.50E-4	0.00195	<LOQ	<LOQ
THCV	10.000	7.00E-6	0.0015	<LOQ	<LOQ
THCVA	10.000	4.70E-5	0.0015	<LOQ	<LOQ
Total Active CBD	10.000			<LOQ	<LOQ
Total Active THC	10.000			<LOQ	<LOQ

Aixia Sun
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 = Delta-8-THCP + Delta-9-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, (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. The results apply to the sample as received. 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.



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Compliance Test

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41 enterprise dr
Unit 101

Batch # 061625028
Batch Date: 2025-06-13
Extracted From: Hemp

Test Reg State: Georgia

Production Facility: RA Royal
Production Date: 2025-06-13

Bunnell, Florida 32110
Order # RAR250616-030001
Order Date: 2025-06-16
Sample # AAGV107

Sampling Date: 2025-06-19
Lab Batch Date: 2025-06-19
Completion Date: 2025-06-29

Initial Gross Weight: 201.200 g

Number of Units: 1
Net Weight per Unit: 150000.000 mg

HHCP

Specimen Weight: 201.400 mg

Tested
SOP13.050 (LCMS)

Dilution Factor: 1000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.6600E-6	0.075	13.6000	1.36 CBC	2.760000E-5	0.075	<LOQ	<LOQ
(9S)-HHC	6.6000E-6	0.075	2.8700	0.287 Delta-8 THC methyl ether	2.480000E-4	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	7.7800E-6	0.075	<LOQ	<LOQ Delta-9 THC	2.8000E-4	0.075	<LOQ	<LOQ
1(R)-H4-CBD	7.330000E-7	0.15	<LOQ	<LOQ Delta-9 THC methyl ether	1.600000E-4	0.075	<LOQ	<LOQ
1(S)-H4-CBD	6.630000E-7	0.15	<LOQ	<LOQ H2-CBD	1.440000E-7	0.075	<LOQ	<LOQ
9(R)-HHCP	3.0900E-5	0.075	<LOQ	<LOQ Total HHC	0.075	16.6343	1.66343	
9(S)-HHCP	2.5500E-5	0.075	<LOQ	<LOQ				

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

Definitions are found on page 1

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Certificate of Analysis
Compliance Test

Client Information:

RA Royal
41 enterprise dr
Unit 101

Batch # 061625030
Batch Date: 2025-06-13
Extracted From: Hemp

Test Reg State: Georgia

Production Facility: RA Royal
Production Date: 2025-06-13

Bunnell, Florida 32110
Order # RAR250616-030001
Order Date: 2025-06-16
Sample # AAGV106

Sampling Date: 2025-06-19
Lab Batch Date: 2025-06-19
Orig. Completion Date: 2025-06-29

Initial Gross Weight: 199.300 g

Number of Units: 1
Net Weight per Unit: 150000.000 mg
Sampling Method: MSP 7.3.1

Statement of Amendment: Updated Photo



Potency
Tested

HHCP

Tested



Pathogenic Microbiology

Passed



Heavy Metals
Passed



Mycotoxins
Passed



Pesticides
Passed



Residual Solvents
Passed



Microbiology
Passed



Filtration and Foreign
Passed

Product Image

Potency (LCUV) (GA) + Potency 25 (LCUV)

Specimen Weight: 205.300 mg

Tested

SOP13.001 (LCUV)



Potency Summary

1.660% Total HHC	2489.310 mg	-	Total Active THC	None Detected	
-	Total Active CBD	None Detected	-	Total CBG	None Detected
0.057% Total CBN	85.5 mg	7.004%	Total Cannabinoids	10506 mg	

Summary Results determined from two distinct Potency Tests - Potency (LCUV) (GA) + Potency 25 (LCUV)

Pieces For Panel: 30

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	10.000	2.60E-5	0.0015	48.8600	4.8860
Delta-9-THCP	10.000	1.17E-5	0.0012	3.3400	0.3340
CBN	10.000	1.40E-5	0.0015	0.5700	0.0570
Delta-8 THCV	10.000	4.00E-5	0.0015	0.2500	0.0250
Delta-10 THC	10.000	3.00E-6	0.0015	0.1800	0.0180
CBT	10.000	2.00E-4	0.0015	0.1400	0.0140
Delta8-THCP	10.000	3.75E-4	0.0015	0.1000	0.0100
CBD	10.000	5.40E-5	0.0015	<LOQ	<LOQ
CBDA	10.000	1.00E-5	0.0015	<LOQ	<LOQ
CBG	10.000	2.48E-4	0.0015	<LOQ	<LOQ
CBGA	10.000	8.00E-5	0.0015	<LOQ	<LOQ
Delta-9 THC	10.000	2.80E-4	0.075	<LOQ	<LOQ
Delta-9 THC-O Acetate	10.000	7.70E-5	0.003	<LOQ	<LOQ
Exo-THC	10.000	2.30E-4	0.0015	<LOQ	<LOQ
CBC	10.000	2.76E-5	0.075	<LOQ	<LOQ
CBCA	10.000	1.07E-4	0.0015	<LOQ	<LOQ
CBDV	10.000	6.50E-5	0.0015	<LOQ	<LOQ
CBDVA	10.000	1.40E-5	0.0015	<LOQ	<LOQ
CBL	10.000	3.50E-5	0.0015	<LOQ	<LOQ
CBNA	10.000	9.50E-5	0.0015	<LOQ	<LOQ
Delta-8 THC-O Acetate	10.000	2.70E-5	0.003	<LOQ	<LOQ
THCA-A	10.000	3.20E-5	0.0015	<LOQ	<LOQ
THCB	10.000	1.80E-4	0.00195	<LOQ	<LOQ
THCH	10.000	3.50E-4	0.00195	<LOQ	<LOQ
THCV	10.000	7.00E-6	0.0015	<LOQ	<LOQ
THCVA	10.000	4.70E-5	0.0015	<LOQ	<LOQ
Total Active CBD	10.000			<LOQ	<LOQ
Total Active THC	10.000			<LOQ	<LOQ

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Aixia Sun Lab Director/Principal Scientist
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Test Reg State: Georgia

Production Facility: RA Royal
Production Date: 2025-06-13

Order # RAR250616-030001
Order Date: 2025-06-16
Sample # AAGV106

Sampling Date: 2025-06-19
Lab Batch Date: 2025-06-19
Orig. Completion Date: 2025-06-29

Initial Gross Weight: 199.300 g

Number of Units: 1
Net Weight per Unit: 150000.000 mg
Sampling Method: MSP 7.3.1

Microbiology Pathogenic AE qPCR - (GA)
Specimen Weight: 1017.800 mg

Passed
SOP13.029 (qPCR)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Passed	STEC	1	Passed

Microbiology AC TYM BTGN plating - (GA)
Specimen Weight: 996.800 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)
Bile tolerant gram-negative bacteria	100	1000	<100	Total Yeast/Mold	1000	10000	<1000
Total Aerobic Count	1000	100000	<1000				

Filth and Foreign Material - (GA)
Specimen Weight: N/A Dilution Factor: 1.000

Passed
SOP13.020 (Electronic Balance)

Analyte	Action Level (%)	Result (%)	Analyte	Action Level (%)	Result (%)
Covered Area	10	0.000	Weight %	1	0.000
Feces	0.5	0.000			

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Production Date: 2025-06-13

Order # RAR250616-030001
Order Date: 2025-06-16
Sample # AAGV106

Sampling Date: 2025-06-19
Lab Batch Date: 2025-06-19
Orig. Completion Date: 2025-06-29

Initial Gross Weight: 199.300 g

Number of Units: 1
Net Weight per Unit: 150000.000 mg
Sampling Method: MSP 7.3.1

H Heavy Metals - (GA) (Edible)
Specimen Weight: 251.200 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 199.045

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	0.013	100	500	<LOQ	Lead (Pb)	0.007	100	500	<LOQ
Cadmium (Cd)	0.003	100	500	<LOQ	Mercury (Hg)	0.016	100	500	<LOQ

I Residual Solvents (GA-4)
Specimen Weight: 15.100 mg

Passed
SOP13.039 (GCMS-HS)

Dilution Factor: 1.000

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Butane	0.4167	53.6	800000	<LOQ	Heptane	0.0013	29.8	500000	<LOQ
Ethanol	0.0021	59.5	5000000	<LOQ	Hexane	0.068	25	100000	<LOQ

J Mycotoxins - (GA)
Specimen Weight: 598.700 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.510

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.0400E-1	1.9	20	<LOQ	Aflatoxin G2	2.7100E-1	1.9	20	<LOQ
Aflatoxin B2	7.7000E-2	1.9	20	<LOQ	Ochratoxin A	7.5400E-1	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	1.9	20	<LOQ					

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Batch Date: 2025-06-13
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Test Reg State: Georgia

Production Facility: RA Royal
Production Date: 2025-06-13

Bunnell, Florida 32110
Order # RAR250616-030001
Order Date: 2025-06-16
Sample # AAGV106

Sampling Date: 2025-06-19
Lab Batch Date: 2025-06-19
Orig. Completion Date: 2025-06-29

Initial Gross Weight: 199.300 g

Number of Units: 1
Net Weight per Unit: 150000.000 mg
Sampling Method: MSP 7.3.1

HHCP

Specimen Weight: 207.300 mg

Tested
SOP13.050 (LCMS)

Dilution Factor: 1000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.6600E-6	0.075	13.7000	1.37 CBC	2.760000E-5	0.075	<LOQ	<LOQ
(9S)-HHC	6.6000E-6	0.075	2.7300	0.273 Delta-8 THC methyl ether	2.480000E-4	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	7.7800E-6	0.075	<LOQ	<LOQ Delta-9 THC	2.8000E-4	0.075	<LOQ	<LOQ
1(R)-H4-CBD	7.330000E-7	0.15	<LOQ	<LOQ Delta-9 THC methyl ether	1.600000E-4	0.075	<LOQ	<LOQ
1(S)-H4-CBD	6.630000E-7	0.15	<LOQ	<LOQ H2-CBD	1.440000E-7	0.075	<LOQ	<LOQ
9(R)-HHCP	3.0900E-5	0.075	<LOQ	<LOQ Total HHC	0.075	16.5954	1.65954	
9(S)-HHCP	2.5500E-5	0.075	<LOQ	<LOQ				

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Test Reg State: Georgia

Production Facility: RA Royal
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Bunnell, Florida 32110
Order # RAR250616-030001
Order Date: 2025-06-16
Sample # AAGV106

Sampling Date: 2025-06-19
Lab Batch Date: 2025-06-19
Orig. Completion Date: 2025-06-29

Initial Gross Weight: 199.300 g

Number of Units: 1
Net Weight per Unit: 150000.000 mg
Sampling Method: MSP 7.3.1

Pesticides - (GA)
Specimen Weight: 598.700 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.510

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	3.9900E-1	9.6	100	<LOQ	Fludioxonil	3.6000E-1	9.6	100	<LOQ
Acephate	1.4100E-1	9.6	100	<LOQ	Hexythiazox	1.1300E-1	9.6	100	<LOQ
Acequinocyl	2.1780E+0	9.6	100	<LOQ	Imazalil	2.5800E-1	9.6	100	<LOQ
Acetamiprid	1.4000E-1	9.6	100	<LOQ	Imidacloprid	4.0200E-1	9.6	100	<LOQ
Aldicarb	2.0300E-1	9.6	100	<LOQ	Kresoxim Methyl	1.8200E-1	9.6	100	<LOQ
Azoxystrobin	1.8800E-1	9.6	100	<LOQ	Malathion	2.2300E-1	9.6	100	<LOQ
Bifenazate	8.6000E-2	9.6	100	<LOQ	Metalaxyl	2.7000E-1	9.6	100	<LOQ
Bifenthrin	1.0000E-1	9.6	100	<LOQ	Methiocarb	1.1800E-1	9.6	100	<LOQ
Boscalid	5.9500E-1	9.6	100	<LOQ	Methomyl	6.4000E-2	9.6	100	<LOQ
Carbaryl	1.2200E-1	9.6	100	<LOQ	Mevinphos	9.3000E-2	9.6	100	<LOQ
Carbofuran	8.6000E-2	9.6	100	<LOQ	Myclobutanil	5.7300E-1	9.6	100	<LOQ
Chlorantraniliprole	8.4000E-2	9.6	100	<LOQ	Oxamyl	4.1000E-2	9.6	100	<LOQ
Chlordane	1.9000E+0	9.6	100	<LOQ	Pacllobutrazol	1.8600E-1	9.6	100	<LOQ
Chlorpyrifos	1.0900E-1	9.6	100	<LOQ	Permethrin	6.2400E-1	9.6	100	<LOQ
Coumaphos	2.0600E-1	9.6	100	<LOQ	Phosmet	1.2700E-1	9.6	100	<LOQ
Cyfluthrin	9.8000E-1	9.6	100	<LOQ	Piperonylbutoxide	1.4900E-1	9.6	100	<LOQ
Cypermethrin	9.8500E-1	9.6	100	<LOQ	Prallethrin	1.4760E+0	9.6	100	<LOQ
Daminozide	1.6550E+0	9.6	100	<LOQ	Propiconazole	2.9400E-1	9.6	100	<LOQ
Diazinon	2.1200E-1	9.6	100	<LOQ	Propoxur	1.0000E-1	9.6	100	<LOQ
Dichlorvos	1.1300E+0	9.6	100	<LOQ	Pyridaben	1.4000E-1	9.6	100	<LOQ
Dimethoate	6.3000E-2	9.6	100	<LOQ	Spinetoram	4.2400E-1	9.6	100	<LOQ
Dimethomorph	2.5810E+0	9.6	100	<LOQ	Spiromesifen	1.2000E-1	9.6	100	<LOQ
Ethoprophos	1.5100E-1	9.6	100	<LOQ	Spirotetramat	2.1100E-1	9.6	100	<LOQ
Etofenprox	1.7200E-1	9.6	100	<LOQ	Spiroxamine	5.3300E-1	9.6	100	<LOQ
Etoxazole	8.6600E-1	9.6	100	<LOQ	Tebuconazole	2.3000E-1	9.6	100	<LOQ
Fenhexamid	5.8800E-1	9.6	100	<LOQ	Thiacloprid	1.7000E-1	9.6	100	<LOQ
Fenoxycarb	2.7400E-1	9.6	100	<LOQ	Thiamethoxam	1.7900E-1	9.6	100	<LOQ
Fipronil	3.1700E-1	9.6	100	<LOQ	Trifloxystrobin	1.3400E-1	9.6	100	<LOQ
Flonicamid	4.6600E-1	9.6	100	<LOQ					

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Client Information:

RA Royal
41 enterprise dr
Unit 101
Bunnell, Florida 32110

Batch # 032425041
Batch Date: 2025-03-25
Extracted From: Hemp

Test Reg State: Georgia

Production Facility: RA Royal

Order # RAR250331-020001
Order Date: 2025-03-31
Sample # AAG0189
Net Weight per Serving: 5000 mg

Sampling Date: 2025-04-03
Lab Batch Date: 2025-04-03
Completion Date: 2025-04-18
Serving Number: 30.00000

Initial Gross Weight: 200.800 g

Number of Units: 1
Net Weight per Package: 150000.000 mg
Sampling Method: MSP 7.3.1



Product Image

Potency Tested	HHCP Tested	Pathogenic Microbiology Tested	Heavy Metals Passed	Mycotoxins Passed
Pesticides Passed	Residual Solvents Passed	Microbiology Tested	Filtration Passed	

Potency (LCUV) (GA) + Potency 25 (LCUV)

Specimen Weight: 209.900 mg

Tested

SOP13.001 (LCUV)

Potency Summary

Total HHC per Serving 2.475% 123.75 mg	Delta 9 THC per Serving 0.151% 7.55 mg
Total Active CBD per Serving None Detected	Total CBG per Serving None Detected
Total CBN per Serving 0.056% 2.8 mg	Total Cannabinoids per Serving 7.952% 397.6 mg
Total Active CBD Per Package None Detected	Total Active THC per Serving 5.05% 252.5 mg
Total Active THC Per Package 5.05% 7575 mg	Delta 9 THC per Package 0.151% 226.5 mg
Total DELTA-9 THC 0.11% 165 mg	

Summary Results determined from two distinct Potency Tests - Potency (LCUV) (GA) + Potency 25 (LCUV)

Pieces For Panel: 30

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	10.000	2.60E-5	0.0015	48.8300	4.8830
Delta9-THCP *	10.000	1.17E-5	0.0012	3.4940	0.3494
Delta-9 THC	10.000	2.80E-4	0.075	1.1000	0.1100
CBN	10.000	1.40E-5	0.0015	0.5600	0.0560
THCA-A	10.000	3.20E-5	0.0015	0.4100	0.0410
Delta-8 THCV	10.000	4.00E-5	0.0015	0.2516	0.0252
CBT	10.000	2.00E-4	0.0015	0.1238	0.0124
CBD	10.000	5.40E-5	0.0015	<LOQ	<LOQ
CBDA	10.000	1.00E-5	0.0015	<LOQ	<LOQ
CBG	10.000	2.48E-4	0.0015	<LOQ	<LOQ
CBGA	10.000	8.00E-5	0.0015	<LOQ	<LOQ
Delta-9 THC-O Acetate	10.000	7.70E-5	0.003	<LOQ	<LOQ
Exo-THC	10.000	2.30E-4	0.0015	<LOQ	<LOQ
CBC	10.000	2.76E-5	0.075	<LOQ	<LOQ
CBCA	10.000	1.07E-4	0.0015	<LOQ	<LOQ
CBDV	10.000	6.50E-5	0.0015	<LOQ	<LOQ
CBDVA	10.000	1.40E-5	0.0015	<LOQ	<LOQ
CBL	10.000	3.50E-5	0.0015	<LOQ	<LOQ
CBNA	10.000	9.50E-5	0.0015	<LOQ	<LOQ
Delta-8 THC-O Acetate	10.000	2.70E-5	0.003	<LOQ	<LOQ
Delta8-THCP *	10.000	3.75E-4	0.0015	<LOQ	<LOQ
THCB *	10.000	1.80E-4	0.00195	<LOQ	<LOQ
THCH *	10.000	3.50E-4	0.00195	<LOQ	<LOQ
THCV	10.000	7.00E-6	0.0015	<LOQ	<LOQ
THCVA	10.000	4.70E-5	0.0015	<LOQ	<LOQ
Total Active CBD	10.000			<LOQ	<LOQ
Total Active THC	10.000			50.500	5.05

Aixia Sun
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 Delta-9 THC = Delta-9 THC + THCA, Total Active THC = Total Delta-9 THC + Delta-8-THCP + Delta-8 THC + Delta-10 THC + Delta-8 THC-O-Acetate + THC-O-Acetate + Delta-10 THC-O-Acetate, Total THCV = THCV + (THCVA * 0.877), 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 = Delta-8-THCP + Delta-9-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.
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Certificate of Analysis
Compliance Test

Client Information:

RA Royal
41 enterprise dr
Unit 101
Bunnell, Florida 32110

Batch # 032425041
Batch Date: 2025-03-25
Extracted From: Hemp

Test Reg State: Georgia

Production Facility: RA Royal

Order # RAR250331-020001
Order Date: 2025-03-31
Sample # AAG0189
Net Weight per Serving: 5000 mg

Sampling Date: 2025-04-03
Lab Batch Date: 2025-04-03
Completion Date: 2025-04-18
Serving Number: 30.00000

Initial Gross Weight: 200.800 g

Number of Units: 1
Net Weight per Package: 150000.000 mg
Sampling Method: MSP 7.3.1

Microbiology Pathogenic AE qPCR - (GA)
Specimen Weight: 1019.200 mg

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	Passed	STEC	Passed

Tested
SOP13.029 (qPCR)

Microbiology AC TYM BTGN plating - (GA)
Specimen Weight: 998.600 mg

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Result (cfu/g)
Bile tolerant gram-negative bacteria	100	<100	Total Yeast/Mold	1000	<1000
Total Aerobic Count	1000	<1000			

Tested
SOP13.003 (Petrifilm)

Filth and Foreign Material - (GA)
Specimen Weight: N/A Dilution Factor: 1.000

Analyte	Action Level (%)	Result (%)	Analyte	Action Level (%)	Result (%)
Covered Area	10	0.000	Weight %	1	0.000
Feces	0.5	0.000			

Passed
SOP13.020 (Electronic Balance)

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

Definitions are found on page 1

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Certificate of Analysis
Compliance Test

Client Information:

RA Royal
41 enterprise dr
Unit 101

Batch # 032425041
Batch Date: 2025-03-25
Extracted From: Hemp

Test Reg State: Georgia

Production Facility: RA Royal

Bunnell, Florida 32110

Order # RAR250331-020001

Order Date: 2025-03-31

Sample # AAG0189

Net Weight per Serving: 5000 mg

Sampling Date: 2025-04-03

Lab Batch Date: 2025-04-03

Completion Date: 2025-04-18

Serving Number: 30.00000

Initial Gross Weight: 200.800 g

Number of Units: 1

Net Weight per Package: 150000.000 mg

Sampling Method: MSP 7.3.1

H Heavy Metals - (GA) (Edible)

Specimen Weight: 252.400 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 198.098

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	0.013	100	500	<LOQ	Lead (Pb)	0.007	100	500	<LOQ
Cadmium (Cd)	0.003	100	500	<LOQ	Mercury (Hg)	0.016	100	500	<LOQ



Residual Solvents (GA-4)

Specimen Weight: 15.400 mg

Passed
SOP13.039 (GCMS-HS)

Dilution Factor: 1.000

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Butane	0.4167	53.6	800000	<LOQ	Heptane	0.0013	29.8	500000	<LOQ
Ethanol	0.0021	59.5	5000000	<LOQ	Hexane	0.068	25	100000	<LOQ



Mycotoxins - (GA)

Specimen Weight: 610.000 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.460

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.0400E-1	1.9	20	<LOQ	Aflatoxin G2	2.7100E-1	1.9	20	<LOQ
Aflatoxin B2	7.7000E-2	1.9	20	<LOQ	Ochratoxin A	7.5400E-1	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	1.9	20	<LOQ					

Aixia Sun
Aixia Sun Lab Director/Principal Scientist

D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions are found on page 1

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Certificate of Analysis
Compliance Test

Client Information:

RA Royal
41 enterprise dr
Unit 101
Bunnell, Florida 32110

Batch # 032425041
Batch Date: 2025-03-25
Extracted From: Hemp

Test Reg State: Georgia

Production Facility: RA Royal

Order # RAR250331-020001
Order Date: 2025-03-31
Sample # AAGO189
Net Weight per Serving: 5000 mg

Sampling Date: 2025-04-03
Lab Batch Date: 2025-04-03
Completion Date: 2025-04-18
Serving Number: 30.00000

Initial Gross Weight: 200.800 g

Number of Units: 1
Net Weight per Package: 150000.000 mg
Sampling Method: MSP 7.3.1

HHCP HHCP

Specimen Weight: 209.900 mg

Tested
SOP13.050 (LCMS)

Dilution Factor: 1000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.6600E-6	0.075	20.6000	2.06 CBC	2.760000E-5	0.075	<LOQ	<LOQ
(9S)-HHC	6.6000E-6	0.075	3.9300	0.393 Delta-8 THC methyl ether	2.480000E-4	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	7.7800E-6	0.075	<LOQ	<LOQ Delta-9 THC	2.8000E-4	0.075	1.1000	0.11
1(R)-H4-CBD	7.330000E-7	0.15	<LOQ	<LOQ Delta-9 THC methyl ether	1.600000E-4	0.075	<LOQ	<LOQ
1(S)-H4-CBD	6.630000E-7	0.15	<LOQ	<LOQ H2-CBD	1.440000E-7	0.075	<LOQ	<LOQ
9(R)-HHCP	3.0900E-5	0.075	<LOQ	<LOQ Total HHC	0.075	0.075	24.7530	2.4753
9(S)-HHCP	2.5500E-5	0.075	<LOQ	<LOQ				

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

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Certificate of Analysis
Compliance Test

Client Information:

RA Royal
41 enterprise dr
Unit 101
Bunnell, Florida 32110

Batch # 032425041
Batch Date: 2025-03-25
Extracted From: Hemp

Test Reg State: Georgia

Production Facility: RA Royal

Order # RAR250331-020001
Order Date: 2025-03-31
Sample # AAGO189
Net Weight per Serving: 5000 mg

Sampling Date: 2025-04-03
Lab Batch Date: 2025-04-03
Completion Date: 2025-04-18
Serving Number: 30.00000

Initial Gross Weight: 200.800 g

Number of Units: 1
Net Weight per Package: 150000.000 mg
Sampling Method: MSP 7.3.1

Pesticides - (GA)

Specimen Weight: 610.000 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.460

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	3.9900E-1	9	100	<LOQ	Fludioxonil	3.6000E-1	9.6	100	<LOQ
Acephate	1.4100E-1	9.6	100	<LOQ	Hexythiazox	1.1300E-1	9.6	100	<LOQ
Acequinocyl	2.1780E+0	9.6	100	<LOQ	Imazalil	2.5800E-1	9.6	100	<LOQ
Acetamiprid	1.4000E-1	9.6	100	<LOQ	Imidacloprid	4.0200E-1	9.6	100	<LOQ
Aldicarb	2.0300E-1	9.6	100	<LOQ	Kresoxim Methyl	1.8200E-1	9.6	100	<LOQ
Azoxystrobin	1.8800E-1	9.6	100	<LOQ	Malathion	2.2300E-1	9.6	100	<LOQ
Bifenazate	8.6000E-2	9.6	100	<LOQ	Metalaxyl	2.7000E-1	9.6	100	<LOQ
Bifenthrin	1.0000E-1	9.6	100	<LOQ	Methiocarb	1.1800E-1	9.6	100	<LOQ
Boscalid	5.9500E-1	9.6	100	<LOQ	Methomyl	6.4000E-2	9.6	100	<LOQ
Carbaryl	1.2200E-1	9.6	100	<LOQ	Mevinphos	9.3000E-2	9.6	100	<LOQ
Carbofuran	8.6000E-2	9.6	100	<LOQ	Myclobutanil	5.7300E-1	9.6	100	<LOQ
Chlorantraniliprole	8.4000E-2	9.6	100	<LOQ	Oxamyl	4.1000E-2	9.6	100	<LOQ
Chlordane	1.9000E+0	9.6	100	<LOQ	Paclobotrazol	1.8600E-1	9.6	100	<LOQ
Chlorpyrifos	1.0900E-1	9.6	100	<LOQ	Permethrin	6.2400E-1	9.6	100	<LOQ
Coumaphos	2.0600E-1	9.6	100	<LOQ	Phosmet	1.2700E-1	9.6	100	<LOQ
Cyfluthrin	9.8000E-1	9.6	100	<LOQ	Piperonylbutoxide	1.4900E-1	9.6	100	<LOQ
Cypermethrin	9.8500E-1	9.6	100	<LOQ	Prallethrin	1.4760E+0	9.6	100	<LOQ
Daminozide	1.6550E+0	9.6	100	<LOQ	Propiconazole	2.9400E-1	9.6	100	<LOQ
Diazinon	2.1200E-1	9.6	100	<LOQ	Propoxur	1.0000E-1	9.6	100	<LOQ
Dichlorvos	1.1300E+0	9.6	100	<LOQ	Pyridaben	1.4000E-1	9.6	100	<LOQ
Dimethoate	6.3000E-2	9.6	100	<LOQ	Spinetoram	4.2400E-1	9.6	100	<LOQ
Dimethomorph	2.5810E+0	9.6	100	<LOQ	Spiromesifen	1.2000E-1	9.6	100	<LOQ
Ethoprophos	1.5100E-1	9.6	100	<LOQ	Spirotetramat	2.1100E-1	9.6	100	<LOQ
Etofenprox	1.7200E-1	9.6	100	<LOQ	Spiroxamine	5.3300E-1	9.6	100	<LOQ
Etoxazole	8.6600E-1	9.6	100	<LOQ	Tebuconazole	2.3000E-1	9.6	100	<LOQ
Fenhexamid	5.8800E-1	9.6	100	<LOQ	Thiacloprid	1.7000E-1	9.6	100	<LOQ
Fenoxycarb	2.7400E-1	9.6	100	<LOQ	Thiamethoxam	1.7900E-1	9.6	100	<LOQ
Fipronil	3.1700E-1	9.6	100	<LOQ	Trifloxystrobin	1.3400E-1	9.6	100	<LOQ
Fonicamid	4.6600E-1	9.6	100	<LOQ					

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

Definitions are found on page 1

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Certificate of Analysis
Compliance Test

Client Information:

RA Royal
41 enterprise dr
Unit 101

Batch # 061625032
Batch Date: 2025-06-13
Extracted From: Hemp

Test Reg State: Georgia

Production Facility: RA Royal
Production Date: 2025-06-13

Bunnell, Florida 32110
Order # RAR250616-030001
Order Date: 2025-06-16
Sample # AAGV108

Sampling Date: 2025-06-19
Lab Batch Date: 2025-06-19
Orig. Completion Date: 2025-06-29

Initial Gross Weight: 198.200 g

Number of Units: 1
Net Weight per Unit: 150000.000 mg

Statement of Amendment: Updated Photo



Product Image

Potency Tested HHCP Tested

Potency (LCUV) (GA) +
Potency 25 (LCUV)

Tested
SOP13.001 (LCUV)

Potency Summary

Specimen Weight: 206.300 mg

Total HHC 1.734% 2601.165 mg	Total Active THC None Detected
Total Active CBD None Detected	Total CBG None Detected
Total CBN 0.055% 82.5 mg	Total Cannabinoids 6.979% 10468.5 mg

Summary Results determined from two distinct Potency Tests - Potency (LCUV) (GA) + Potency 25 (LCUV)

Pieces For Panel: 30

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	10.000	2.60E-5	0.0015	47.9900	4.7990
Delta9-THCP	10.000	1.17E-5	0.0012	3.2700	0.3270
CBN	10.000	1.40E-5	0.0015	0.5500	0.0550
Delta-8 THCV	10.000	4.00E-5	0.0015	0.2300	0.0230
Delta-10 THC	10.000	3.00E-6	0.0015	0.1700	0.0170
CBT	10.000	2.00E-4	0.0015	0.1500	0.0150
Delta8-THCP	10.000	3.75E-4	0.0015	0.0900	0.0090
CBD	10.000	5.40E-5	0.0015	<LOQ	<LOQ
CBDA	10.000	1.00E-5	0.0015	<LOQ	<LOQ
CBG	10.000	2.48E-4	0.0015	<LOQ	<LOQ
CBGA	10.000	8.00E-5	0.0015	<LOQ	<LOQ
Delta-9 THC	10.000	2.80E-4	0.075	<LOQ	<LOQ
Delta-9 THC-O Acetate	10.000	7.70E-5	0.003	<LOQ	<LOQ
Exo-THC	10.000	2.30E-4	0.0015	<LOQ	<LOQ
CBC	10.000	2.76E-5	0.075	<LOQ	<LOQ
CBCA	10.000	1.07E-4	0.0015	<LOQ	<LOQ
CBDV	10.000	6.50E-5	0.0015	<LOQ	<LOQ
CBDVA	10.000	1.40E-5	0.0015	<LOQ	<LOQ
CBL	10.000	3.50E-5	0.0015	<LOQ	<LOQ
CBNA	10.000	9.50E-5	0.0015	<LOQ	<LOQ
Delta-8 THC-O Acetate	10.000	2.70E-5	0.003	<LOQ	<LOQ
THCA-A	10.000	3.20E-5	0.0015	<LOQ	<LOQ
THCB	10.000	1.80E-4	0.00195	<LOQ	<LOQ
THCH	10.000	3.50E-4	0.00195	<LOQ	<LOQ
THCV	10.000	7.00E-6	0.0015	<LOQ	<LOQ
THCVA	10.000	4.70E-5	0.0015	<LOQ	<LOQ
Total Active CBD	10.000			<LOQ	<LOQ
Total Active THC	10.000			<LOQ	<LOQ

Aixa 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. Revised report- see statement of amendment above.

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Certificate of Analysis
Compliance Test

Client Information:

RA Royal
41 enterprise dr
Unit 101

Batch # 061625032
Batch Date: 2025-06-13
Extracted From: Hemp

Test Reg State: Georgia

Production Facility: RA Royal
Production Date: 2025-06-13

Bunnell, Florida 32110
Order # RAR250616-030001
Order Date: 2025-06-16
Sample # AAGV108

Sampling Date: 2025-06-19
Lab Batch Date: 2025-06-19
Orig. Completion Date: 2025-06-29

Initial Gross Weight: 198.200 g

Number of Units: 1
Net Weight per Unit: 150000.000 mg

HHCP HHCP

Specimen Weight: 203.400 mg

Tested
SOP13.050 (LCMS)

Dilution Factor: 1000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.6600E-6	0.075	14.4000	1.44 CBC	2.760000E-5	0.075	<LOQ	<LOQ
(9S)-HHC	6.6000E-6	0.075	2.7700	0.277 Delta-8 THC methyl ether	2.480000E-4	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	7.7800E-6	0.075	<LOQ	<LOQ Delta-9 THC	2.8000E-4	0.075	<LOQ	<LOQ
1(R)-H4-CBD	7.330000E-7	0.15	<LOQ	<LOQ Delta-9 THC methyl ether	1.600000E-4	0.075	<LOQ	<LOQ
1(S)-H4-CBD	6.630000E-7	0.15	<LOQ	<LOQ H2-CBD	1.440000E-7	0.075	<LOQ	<LOQ
9(R)-HHCP	3.0900E-5	0.075	<LOQ	<LOQ Total HHC	0.075		17.3411	1.73411
9(S)-HHCP	2.5500E-5	0.075	<LOQ	<LOQ				

Aixia Sun Lab Director/Principal Scientist
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Definitions are found on page 1

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