



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



Product Image

Potency Tested
 HHCP Tested
 Pathogenic Microbiology Tested
 Heavy Metals Passed
 Mycotoxins Passed
 Pesticides Passed
 Residual Solvents Passed
 Microbiology Tested
 Filth and Foreign 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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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)

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Aixia Sun Lab Director/Principal Scientist
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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)

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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				

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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

Sample # AAGO189
Net Weight per Serving: 5000 mg

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					

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Client Information:

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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

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
Delta9-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
Delta8-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

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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, (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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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				

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Certificate of Analysis

Compliance Test

Client Information: RA Royal 41 enterprise dr Unit 101 Bunnell, Florida 32110	Manufacturing Facility: RA Royal 41 enterprise dr Unit 101 Bunnell, Florida 32110 Production Date: 2025-07-14	Batch Data: Batch # 251715027 Batch Date: 2025-07-15 Extracted From: Hemp	Order Details: Test Reg State: Florida Food Permit #: 397102
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Order # RAR250729-100001 Order Date: 2025-07-29 Sample # AAGY494	Sampling Date: 2025-07-31 Lab Batch Date: 2025-07-31 Completion Date: 2025-08-06	Initial Gross Weight: 195.100 g	Net Weight per Package: 150000.000 mg Sampling Method: MSP 7.3.1	Net Weight per Serving: 5000 mg Servings Per Package: 30
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Product Image

Potency Tested

HHCP Tested

Terpenes Tested

Heavy Metals Passed

Mycotoxins Passed

Pesticides Passed

Residual Solvents Passed

Pathogenic Passed

Microbiology (qPCR) Passed

Potency Summary

Total HHC	2.90%	Delta 9 THC	<LOQ
per Serving	145 mg	per Serving	0.00 mg
per Package	4350 mg	per Package	0.00 mg
Total Active CBD	<LOQ	Total CBG	<LOQ
per Serving	0.00 mg	per Serving	0.00 mg
per Package	0.00 mg	per Package	0.00 mg
Total CBN	0.0340%	Total Cannabinoids	7.27%
per Serving	1.70 mg	per Serving	363 mg
per Package	51.0 mg	per Package	10900 mg
Total Active THC	<LOQ		
per Serving	0.00 mg		
per Package	0.00 mg		

Terpenes Summary

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	0.089	0.009%
trans-Caryophyllene	0.051	0.005%
alpha-Bisabolol	0.046	0.005%
(+)-Cedrol	0.027	0.003%

Total Terpenes: 0.022%

Detailed Terpenes Analysis is on the following page

* Summary Results determined from two distinct Potency Tests - Potency 11 (LCUV) + Potency 25 (LCUV)

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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. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034 The results apply to the sample as received.

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Order # RAR250729-100001 Order Date: 2025-07-29 Sample # AAGY494	Sampling Date: 2025-07-31 Lab Batch Date: 2025-07-31 Completion Date: 2025-08-06	Initial Gross Weight: 195.100 g	Net Weight per Package: 150000.000 mg Sampling Method: MSP 7.3.1	Net Weight per Serving: 50000 mg Servings Per Package: 30
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Potency 11 (LCUV) + Potency 25 (LCUV) **Tested** SOP13.001 (LCUV)
Specimen Weight: 1505.100 mg

Pieces For Panel: 30

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)	Per Serving (mg)	Per Package (mg)
Delta-8 THC	100.000	2.600000E-5	0.0015	39.5	3.95	197	5920
Delta9-THCP	100.000	1.170000E-5	0.0012	2.98	0.298	14.9	446
Delta-8 THCV	10.000	4.000000E-5	0.0015	0.550	0.0550	2.75	82.5
CBN	100.000	1.400000E-5	0.0015	0.340	0.0340	1.70	51.0
CBT	10.000	2.000000E-4	0.0015	0.186	0.0186	0.932	27.9
THCV	100.000	7.000000E-6	0.0015	0.0800	0.00800	0.400	12.0
CBD	100.000	5.400000E-5	0.0015	0.0700	0.00700	0.350	10.5
Delta8-THCP	10.000	3.750000E-4	0.0015	0.0541	0.00540	0.271	8.12
CBGA	100.000	8.000000E-5	0.0015	0.0200	0.00200	0.100	3.00
CBG	100.000	2.480000E-4	0.0015	0.00100	0.00100	0.00500	0.150
CBC	100.000	2.760000E-5	0.075	<LOQ	<LOQ	0.00	0.00
CBDA	100.000	1.000000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBDV	100.000	6.500000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
Delta-9 THC	100.000	1.300000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
THCA-A	100.000	3.200000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBCA	10.000	1.070000E-4	0.0015	<LOQ	<LOQ	0.00	0.00
CBDVA	10.000	1.400000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBL	10.000	3.500000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBNA	10.000	9.500000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
Delta-8 THC-O Acetate	10.000	2.700000E-5	0.003	<LOQ	<LOQ	0.00	0.00
Delta-9 THC-O Acetate	10.000	7.700000E-5	0.003	<LOQ	<LOQ	0.00	0.00
Exo-THC	10.000	2.300000E-4	0.0015	<LOQ	<LOQ	0.00	0.00
THCB	10.000	1.800000E-4	0.00195	<LOQ	<LOQ	0.00	0.00
THCH	10.000	3.500000E-4	0.00195	<LOQ	<LOQ	0.00	0.00
THCVA	10.000	4.700000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
Total Active THC	100.000			<LOQ	<LOQ	0.00	0.00
Total Active CBD	100.000			<LOQ	<LOQ	0.00	0.00

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Compliance Test

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Order # RAR250729-100001 Order Date: 2025-07-29 Sample # AAGY494	Sampling Date: 2025-07-31 Lab Batch Date: 2025-07-31 Completion Date: 2025-08-06	Initial Gross Weight: 195.100 g	Net Weight per Package: 150000.000 mg Sampling Method: MSP 7.3.1	Net Weight per Serving: 5000 mg Servings Per Package: 30
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Terpenes Specimen Weight: 1505.100 mg				Tested SOP13.045 (GC-MS/GC (Liquid Injection))			
Dilution Factor: 20.000							
Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.002	0.0890	0.009	Fenchone	0.002	<LOQ	<LOQ
alpha-Bisabolol	0.002	0.0460	0.005	Fenchyl Alcohol	0.002	<LOQ	<LOQ
trans-Caryophyllene	0.002	0.0510	0.005	Gamma-Terpinene	0.002	<LOQ	<LOQ
(+)-Cedrol	0.002	0.0270	0.003	Geraniol	0.002	<LOQ	<LOQ
3-Carene	0.002	<LOQ	<LOQ	Geranyl acetate	0.002	<LOQ	<LOQ
alpha-Cedrene	0.002	<LOQ	<LOQ	Guaiol	0.002	<LOQ	<LOQ
alpha-Humulene	0.002	<LOQ	<LOQ	Hexahydrothymol	0.002	<LOQ	<LOQ
alpha-Phellandrene	0.002	<LOQ	<LOQ	Isoborneol	0.002	<LOQ	<LOQ
alpha-Pinene	0.002	<LOQ	<LOQ	Isopulegol	0.002	<LOQ	<LOQ
alpha-Terpinene	0.002	<LOQ	<LOQ	Linalool	0.002	<LOQ	<LOQ
beta-Myrcene	0.002	<LOQ	<LOQ	Nerol	0.002	<LOQ	<LOQ
beta-Pinene	0.002	<LOQ	<LOQ	Ocimene	0.00033	<LOQ	<LOQ
Borneol	0.004	<LOQ	<LOQ	Pulegone	0.002	<LOQ	<LOQ
Camphene	0.002	<LOQ	<LOQ	Sabinene	0.002	<LOQ	<LOQ
Camphors	0.006	<LOQ	<LOQ	Sabinene Hydrate	0.002	<LOQ	<LOQ
Caryophyllene oxide	0.002	<LOQ	<LOQ	Terpinolene	0.002	<LOQ	<LOQ
cis-Nerolidol	0.002	<LOQ	<LOQ	Total Terpeneol	0.00126	<LOQ	<LOQ
Eucalyptol	0.002	<LOQ	<LOQ	trans-Nerolidol	0.002	<LOQ	<LOQ
Farnesene	0.002	<LOQ	<LOQ	Valencene	0.002	<LOQ	<LOQ

PCR Total Yeast and Mold Specimen Weight: 502.500 mg			Passed SOP13.017 (qPCR)	
Dilution Factor: 8.000				
Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)	
Total Yeast/Mold	1000	100000	<LOQ	

Pathogenic SAE (qPCR) FL Specimen Weight: 1006.200 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	Absence in 1g	Shiga toxin-producing E. coli (STEC)	1	Absence in 1g
Salmonella	1	Absence in 1g			

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Order # RAR250729-100001 Order Date: 2025-07-29 Sample # AAGY494	Sampling Date: 2025-07-31 Lab Batch Date: 2025-07-31 Completion Date: 2025-08-06	Initial Gross Weight: 195.100 g	Net Weight per Package: 150000.000 mg Sampling Method: MSP 7.3.1	Net Weight per Serving: 5000 mg Servings Per Package: 30
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H Heavy Metals Florida **Passed**
Specimen Weight: 246.000 mg SOP13.048 (ICP-MS)

Dilution Factor: 203.252

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	1500	<LOQ	Lead (Pb)	0.007	100	500	<LOQ
Cadmium (Cd)	0.003	100	500	<LOQ	Mercury (Hg)	0.016	100	3000	<LOQ

Mycotoxins **Passed**
Specimen Weight: 588.800 mg SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.550

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	0.304	6	20	<LOQ	Aflatoxin G2	0.271	6	20	<LOQ
Aflatoxin B2	0.077	6	20	<LOQ	Ochratoxin A	0.754	3.8	20	<LOQ
Aflatoxin G1	0.304	6	20	<LOQ					

HHCP HHCP **Tested**
Specimen Weight: 1505.100 mg SOP13.050 (LCMS)

Dilution Factor: 1000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	
(9R)-HHC	0.000	0.075	20.8	2.08	9(S)-HHCP	0.000	0.075	<LOQ	<LOQ
(9S)-HHC	0.000	0.075	8.15	0.815	CBC	0.000	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	0.000	0.075	<LOQ	<LOQ	Delta-8 THC methyl ether	0.000	0.075	<LOQ	<LOQ
1(R)-H4-CBD	0.000	0.15	<LOQ	<LOQ	Delta-9 THC methyl ether	0.000	0.075	0.763	0.0763
1(S)-H4-CBD	0.000	0.15	<LOQ	<LOQ	H2-CBD	0.000	0.075	<LOQ	<LOQ
9(R)-HHCP	0.000	0.075	<LOQ	<LOQ	Total HHC		0.075	29.0	2.89821

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Residual Solvents - FL (CBD)
Specimen Weight: 16.200 mg

Passed
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	8	<LOQ	Heptane	0.001	13.9	5000	<LOQ
1,2-Dichloroethane	0.000	0.4	2	<LOQ	Hexane	0.068	11.7	250	<LOQ
Acetone	0.015	20.8	750	<LOQ	Isopropyl alcohol	0.005	13.9	500	<LOQ
Acetonitrile	0.060	11.7	60	<LOQ	Methanol	0.001	6.9	250	<LOQ
Benzene	0.000	0.2	1	<LOQ	Methylene chloride	0.003	24.3	125	<LOQ
Butanes	0.417	25	5000	<LOQ	Pentane	0.037	20.8	750	<LOQ
Chloroform	0.000	0.4	2	<LOQ	Propane	0.031	58.3	5000	<LOQ
Ethanol	0.002	27.8	5000	<LOQ	Toluene	0.001	29.2	150	<LOQ
Ethyl Acetate	0.001	11.1	400	<LOQ	Total Xylenes	0.000	29.2	150	<LOQ
Ethyl Ether	0.005	13.9	500	<LOQ	Trichloroethylene	0.001	4.9	25	<LOQ
Ethylene Oxide	0.004	1	5	<LOQ					

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Pesticides Florida
Specimen Weight: 588.800 mg

Passed
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.550

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	0.288	28.23	300	<LOQ	Fludioxonil	1.740	48	3000	<LOQ
Acephate	0.023	30	3000	<LOQ	Hexythiazox	0.049	30	2000	<LOQ
Acequinocyl	9.564	48	2000	<LOQ	Imazalil	0.248	30	100	<LOQ
Acetamiprid	0.052	30	3000	<LOQ	Imidacloprid	0.094	30	3000	<LOQ
Aldicarb	0.026	30	100	<LOQ	Kresoxim Methyl	0.042	30	1000	<LOQ
Azoxystrobin	0.081	10	3000	<LOQ	Malathion	0.082	30	2000	<LOQ
Bifenazate	1.415	30	3000	<LOQ	Metalaxyl	0.081	10	3000	<LOQ
Bifenthrin	0.043	30	500	<LOQ	Methiocarb	0.032	30	100	<LOQ
Boscalid	0.055	10	3000	<LOQ	Methomyl	0.022	30	100	<LOQ
Captan	6.120	30	3000	<LOQ	methyl-Parathion	1.710	10	100	<LOQ
Carbaryl	0.022	10	500	<LOQ	Mevinphos	2.150	10	100	<LOQ
Carbofuran	0.034	10	100	<LOQ	Myclobutanil	0.573	10	0	<LOQ
Chlorantraniliprole	0.033	10	3000	<LOQ	Naled	0.095	30	500	<LOQ
Chlordane	10.000	10	100	<LOQ	Oxamyl	0.025	30	500	<LOQ
Chlorfenapyr	0.034	30	100	<LOQ	Pacllobutrazol	0.065	30	100	<LOQ
Chlormequat Chloride	0.108	10	3000	<LOQ	Pentachloronitrobenzene	1.320	10	200	<LOQ
Chlorpyrifos	0.035	30	100	<LOQ	Permethrin	0.343	30	1000	<LOQ
Clofentezine	0.119	30	500	<LOQ	Phosmet	0.082	30	200	<LOQ
Coumaphos	3.770	48	100	<LOQ	Piperonylbutoxide	0.029	30	3000	<LOQ
Cyfluthrin	3.110	30	1000	<LOQ	Prallethrin	0.798	30	400	<LOQ
Cypermethrin	1.449	30	1000	<LOQ	Propiconazole	0.070	30	1000	<LOQ
Daminozide	0.885	30	100	<LOQ	Propoxur	0.046	30	100	<LOQ
Diazinon	0.044	30	200	<LOQ	Pyrethrins	23.593	30	1000	<LOQ
Dichlorvos	2.182	30	100	<LOQ	Pyridaben	0.032	30	3000	<LOQ
Dimethoate	0.021	30	100	<LOQ	Spinetoram	0.080	10	3000	<LOQ
Dimethomorph	5.830	48	3000	<LOQ	Spinosad	0.088	30	3000	<LOQ
Ethoprophos	0.360	30	100	<LOQ	Spiromesifen	0.261	30	3000	<LOQ
Etofenprox	0.116	30	100	<LOQ	Spirotetramat	0.089	30	3000	<LOQ
Etoxazole	0.095	30	1500	<LOQ	Spiroxamine	0.131	30	100	<LOQ
Fenhexamid	0.510	10	3000	<LOQ	Tebuconazole	0.067	30	1000	<LOQ
Fenoxycarb	0.107	30	100	<LOQ	Thiacloprid	0.064	30	100	<LOQ
Fenpyroximate	0.138	30	2000	<LOQ	Thiamethoxam	0.050	30	1000	<LOQ
Fipronil	0.107	30	100	<LOQ	Trifloxystrobin	0.037	30	3000	<LOQ
Fonicamid	0.517	30	2000	<LOQ					

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Certificate of Analysis

Compliance Test

Client Information: RA Royal 41 enterprise dr Unit 101 Bunnell, Florida 32110	Manufacturing Facility: RA Royal 41 enterprise dr Unit 101 Bunnell, Florida 32110 Production Date: 2025-07-14	Batch Data: Batch # 251715023 Batch Date: 2025-07-15 Extracted From: Hemp	Order Details: Test Reg State: Florida Food Permit #: 397102
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Order # RAR250729-100001 Order Date: 2025-07-29 Sample # AAGY493	Sampling Date: 2025-07-31 Lab Batch Date: 2025-07-31 Completion Date: 2025-08-06	Initial Gross Weight: 190.900 g	Net Weight per Package: 150000.000 mg Sampling Method: MSP 7.3.1	Net Weight per Serving: 5000 mg Servings Per Package: 30
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Product Image

Potency Tested

HHCP Tested

Terpenes Tested

Heavy Metals Passed

Mycotoxins Passed

Pesticides Passed

Residual Solvents Passed

Pathogenic Passed

Microbiology (qPCR) Passed

Potency Summary

Total HHC	2.99%	Delta 9 THC	<LOQ
per Serving	149 mg	per Serving	0.00 mg
per Package	4480 mg	per Package	0.00 mg
Total Active CBD	<LOQ	Total CBG	<LOQ
per Serving	0.00 mg	per Serving	0.00 mg
per Package	0.00 mg	per Package	0.00 mg
Total CBN	0.0330%	Total Cannabinoids	7.27%
per Serving	1.65 mg	per Serving	363 mg
per Package	49.5 mg	per Package	10900 mg
Total Active THC	<LOQ		
per Serving	0.00 mg		
per Package	0.00 mg		

Terpenes Summary

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	0.088	0.009%
trans-Caryophyllene	0.049	0.005%
alpha-Bisabolol	0.046	0.005%
Total Terpenes: 0.019%		

Detailed Terpenes Analysis is on the following page

* Summary Results determined from two distinct Potency Tests - Potency 11 (LCUV) + Potency 25 (LCUV)

Aixa Sun Lab Director/Principal Scientist
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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. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034 The results apply to the sample as received.

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Potency 11 (LCUV) + Potency 25 (LCUV) **Tested** SOP13.001 (LCUV)
Specimen Weight: 1526.300 mg

Pieces For Panel: 30

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)	Per Serving (mg)	Per Package (mg)
Delta-8 THC	100.000	2.600000E-5	0.0015	38.7	3.87	193	5800
Delta9-THCP	100.000	1.170000E-5	0.0012	2.88	0.288	14.4	432
Delta-8 THCV	10.000	4.000000E-5	0.0015	0.538	0.0538	2.69	80.7
CBN	100.000	1.400000E-5	0.0015	0.330	0.0330	1.65	49.5
CBT	10.000	2.000000E-4	0.0015	0.182	0.0182	0.911	27.3
THCV	100.000	7.000000E-6	0.0015	0.0800	0.00800	0.400	12.0
CBD	100.000	5.400000E-5	0.0015	0.0700	0.00700	0.350	10.5
Delta8-THCP	10.000	3.750000E-4	0.0015	0.0545	0.00540	0.273	8.18
CBGA	100.000	8.000000E-5	0.0015	0.0200	0.00200	0.100	3.00
CBG	100.000	2.480000E-4	0.0015	0.00100	0.00100	0.00500	0.150
CBC	100.000	2.760000E-5	0.075	<LOQ	<LOQ	0.00	0.00
CBDA	100.000	1.000000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBDV	100.000	6.500000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
Delta-9 THC	100.000	1.300000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
THCA-A	100.000	3.200000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBCA	10.000	1.070000E-4	0.0015	<LOQ	<LOQ	0.00	0.00
CBDVA	10.000	1.400000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBL	10.000	3.500000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBNA	10.000	9.500000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
Delta-8 THC-O Acetate	10.000	2.700000E-5	0.003	<LOQ	<LOQ	0.00	0.00
Delta-9 THC-O Acetate	10.000	7.700000E-5	0.003	<LOQ	<LOQ	0.00	0.00
Exo-THC	10.000	2.300000E-4	0.0015	<LOQ	<LOQ	0.00	0.00
THCB	10.000	1.800000E-4	0.00195	<LOQ	<LOQ	0.00	0.00
THCH	10.000	3.500000E-4	0.00195	<LOQ	<LOQ	0.00	0.00
THCVA	10.000	4.700000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
Total Active THC	100.000			<LOQ	<LOQ	0.00	0.00
Total Active CBD	100.000			<LOQ	<LOQ	0.00	0.00

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Compliance Test

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Order # RAR250729-100001 Order Date: 2025-07-29 Sample # AAGY493	Sampling Date: 2025-07-31 Lab Batch Date: 2025-07-31 Completion Date: 2025-08-06	Initial Gross Weight: 190.900 g	Net Weight per Package: 150000.000 mg Sampling Method: MSP 7.3.1	Net Weight per Serving: 5000 mg Servings Per Package: 30
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Terpenes				Tested			
Specimen Weight: 1526.300 mg				SOP13.045 (GC-MS/GC (Liquid Injection))			
Dilution Factor: 20.000							
Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.002	0.0880	0.009	Fenchone	0.002	<LOQ	<LOQ
alpha-Bisabolol	0.002	0.0460	0.005	Fenchyl Alcohol	0.002	<LOQ	<LOQ
trans-Caryophyllene	0.002	0.0490	0.005	Gamma-Terpinene	0.002	<LOQ	<LOQ
(+)-Cedrol	0.002	<LOQ	<LOQ	Geraniol	0.002	<LOQ	<LOQ
3-Carene	0.002	<LOQ	<LOQ	Geranyl acetate	0.002	<LOQ	<LOQ
alpha-Cedrene	0.002	<LOQ	<LOQ	Guaiol	0.002	<LOQ	<LOQ
alpha-Humulene	0.002	<LOQ	<LOQ	Hexahydrothymol	0.002	<LOQ	<LOQ
alpha-Phellandrene	0.002	<LOQ	<LOQ	Isoborneol	0.002	<LOQ	<LOQ
alpha-Pinene	0.002	<LOQ	<LOQ	Isopulegol	0.002	<LOQ	<LOQ
alpha-Terpinene	0.002	<LOQ	<LOQ	Linalool	0.002	<LOQ	<LOQ
beta-Myrcene	0.002	<LOQ	<LOQ	Nerol	0.002	<LOQ	<LOQ
beta-Pinene	0.002	<LOQ	<LOQ	Ocimene	0.00033	<LOQ	<LOQ
Borneol	0.004	<LOQ	<LOQ	Pulegone	0.002	<LOQ	<LOQ
Camphene	0.002	<LOQ	<LOQ	Sabinene	0.002	<LOQ	<LOQ
Camphors	0.006	<LOQ	<LOQ	Sabinene Hydrate	0.002	<LOQ	<LOQ
Caryophyllene oxide	0.002	<LOQ	<LOQ	Terpinolene	0.002	<LOQ	<LOQ
cis-Nerolidol	0.002	<LOQ	<LOQ	Total Terpeneol	0.00126	<LOQ	<LOQ
Eucalyptol	0.002	<LOQ	<LOQ	trans-Nerolidol	0.002	<LOQ	<LOQ
Farnesene	0.002	<LOQ	<LOQ	Valencene	0.002	<LOQ	<LOQ

PCR Total Yeast and Mold		Passed	
Specimen Weight: 487.800 mg		SOP13.017 (qPCR)	
Dilution Factor: 8.000			
Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Total Yeast/Mold	1000	100000	<LOQ

Pathogenic SAE (qPCR) FL		Passed			
Specimen Weight: 1015.400 mg		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	Absence in 1g	Shiga toxin-producing E. coli (STEC)	1	Absence in 1g
Salmonella	1	Absence in 1g			

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H Heavy Metals Florida **Passed**
Specimen Weight: 248.800 mg SOP13.048 (ICP-MS)

Dilution Factor: 200.965

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	1500	<LOQ	Lead (Pb)	0.007	100	500	<LOQ
Cadmium (Cd)	0.003	100	500	<LOQ	Mercury (Hg)	0.016	100	3000	<LOQ

Mycotoxins **Passed**
Specimen Weight: 590.500 mg SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.540

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	0.304	6	20	<LOQ	Aflatoxin G2	0.271	6	20	<LOQ
Aflatoxin B2	0.077	6	20	<LOQ	Ochratoxin A	0.754	3.8	20	<LOQ
Aflatoxin G1	0.304	6	20	<LOQ					

HHCP HHCP **Tested**
Specimen Weight: 1526.300 mg SOP13.050 (LCMS)

Dilution Factor: 1000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	0.000	0.075	21.8	2.18 9(S)-HHCP	0.000	0.075	<LOQ	<LOQ
(9S)-HHC	0.000	0.075	8.06	0.806 CBC	0.000	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	0.000	0.075	<LOQ	<LOQ Delta-8 THC methyl ether	0.000	0.075	<LOQ	<LOQ
1(R)-H4-CBD	0.000	0.15	<LOQ	<LOQ Delta-9 THC methyl ether	0.000	0.075	0.765	0.0765
1(S)-H4-CBD	0.000	0.15	<LOQ	<LOQ H2-CBD	0.000	0.075	<LOQ	<LOQ
9(R)-HHCP	0.000	0.075	<LOQ	<LOQ Total HHC		0.075	29.9	2.98924

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Residual Solvents - FL (CBD)					Passed				
Specimen Weight: 17.000 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	8	<LOQ	Heptane	0.001	13.9	5000	<LOQ
1,2-Dichloroethane	0.000	0.4	2	<LOQ	Hexane	0.068	11.7	250	<LOQ
Acetone	0.015	20.8	750	<LOQ	Isopropyl alcohol	0.005	13.9	500	<LOQ
Acetonitrile	0.060	11.7	60	<LOQ	Methanol	0.001	6.9	250	<LOQ
Benzene	0.000	0.2	1	<LOQ	Methylene chloride	0.003	24.3	125	<LOQ
Butanes	0.417	25	5000	<LOQ	Pentane	0.037	20.8	750	<LOQ
Chloroform	0.000	0.4	2	<LOQ	Propane	0.031	58.3	5000	<LOQ
Ethanol	0.002	27.8	5000	<LOQ	Toluene	0.001	29.2	150	<LOQ
Ethyl Acetate	0.001	11.1	400	<LOQ	Total Xylenes	0.000	29.2	150	<LOQ
Ethyl Ether	0.005	13.9	500	<LOQ	Trichloroethylene	0.001	4.9	25	<LOQ
Ethylene Oxide	0.004	1	5	<LOQ					

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Pesticides Florida
Specimen Weight: 590.500 mg

Passed
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.540

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result
Abamectin	0.288	28.23	300	<LOQ	Fludioxonil	1.740	48	3000	<LOQ
Acephate	0.023	30	3000	<LOQ	Hexythiazox	0.049	30	2000	<LOQ
Acequinocyl	9.564	48	2000	<LOQ	Imazalil	0.248	30	100	<LOQ
Acetamiprid	0.052	30	3000	<LOQ	Imidacloprid	0.094	30	3000	<LOQ
Aldicarb	0.026	30	100	<LOQ	Kresoxim Methyl	0.042	30	1000	<LOQ
Azoxystrobin	0.081	10	3000	<LOQ	Malathion	0.082	30	2000	<LOQ
Bifenazate	1.415	30	3000	<LOQ	Metalaxyl	0.081	10	3000	<LOQ
Bifenthrin	0.043	30	500	<LOQ	Methiocarb	0.032	30	100	<LOQ
Boscalid	0.055	10	3000	<LOQ	Methomyl	0.022	30	100	<LOQ
Captan	6.120	30	3000	<LOQ	methyl-Parathion	1.710	10	100	<LOQ
Carbaryl	0.022	10	500	<LOQ	Mevinphos	2.150	10	100	<LOQ
Carbofuran	0.034	10	100	<LOQ	Myclobutanil	0.573	10	0	<LOQ
Chlorantraniliprole	0.033	10	3000	<LOQ	Naled	0.095	30	500	<LOQ
Chlordane	10.000	10	100	<LOQ	Oxamyl	0.025	30	500	<LOQ
Chlorfenapyr	0.034	30	100	<LOQ	Pacllobutrazol	0.065	30	100	<LOQ
Chlormequat Chloride	0.108	10	3000	<LOQ	Pentachloronitrobenzene	1.320	10	200	<LOQ
Chlorpyrifos	0.035	30	100	<LOQ	Permethrin	0.343	30	1000	<LOQ
Clofentezine	0.119	30	500	<LOQ	Phosmet	0.082	30	200	<LOQ
Coumaphos	3.770	48	100	<LOQ	Piperonylbutoxide	0.029	30	3000	<LOQ
Cyfluthrin	3.110	30	1000	<LOQ	Prallethrin	0.798	30	400	<LOQ
Cypermethrin	1.449	30	1000	<LOQ	Propiconazole	0.070	30	1000	<LOQ
Daminozide	0.885	30	100	<LOQ	Propoxur	0.046	30	100	<LOQ
Diazinon	0.044	30	200	<LOQ	Pyrethrins	23.593	30	1000	<LOQ
Dichlorvos	2.182	30	100	<LOQ	Pyridaben	0.032	30	3000	<LOQ
Dimethoate	0.021	30	100	<LOQ	Spinetoram	0.080	10	3000	<LOQ
Dimethomorph	5.830	48	3000	<LOQ	Spinosad	0.088	30	3000	<LOQ
Ethoprophos	0.360	30	100	<LOQ	Spiromesifen	0.261	30	3000	<LOQ
Etofenprox	0.116	30	100	<LOQ	Spirotetramat	0.089	30	3000	<LOQ
Etoxazole	0.095	30	1500	<LOQ	Spiroxamine	0.131	30	100	<LOQ
Fenhexamid	0.510	10	3000	<LOQ	Tebuconazole	0.067	30	1000	<LOQ
Fenoxycarb	0.107	30	100	<LOQ	Thiacloprid	0.064	30	100	<LOQ
Fenpyroximate	0.138	30	2000	<LOQ	Thiamethoxam	0.050	30	1000	<LOQ
Fipronil	0.107	30	100	<LOQ	Trifloxystrobin	0.037	30	3000	<LOQ
Fonicamid	0.517	30	2000	<LOQ					

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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



Product Image

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

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

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 = 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, (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 # 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

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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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

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

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

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

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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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

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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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

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	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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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

Manufacturing Facility:
RA Royal
41 enterprise dr
Unit 101
Bunnell, Florida 32110
Production Date: 2025-07-14

Batch Data:
Batch # 251715031
Batch Date: 2025-07-15
Extracted From: Hemp

Order Details:
Test Reg State: Florida
Food Permit #: 397102

Order #
RAR250729-100001
Order Date: 2025-07-29
Sample # AAGY496

Sampling Date: 2025-07-31
Lab Batch Date: 2025-07-31
Completion Date: 2025-08-07

Initial Gross Weight: 190.100 g
Net Weight: 150.000 g

Net Weight per Package:
150000.000 mg
Sampling Method:
MSP 7.3.1

Net Weight per Serving:
5000 mg
Servings Per Package:
30



Potency Tested

HHCP Tested

Terpenes Tested

Heavy Metals Passed

Mycotoxins Passed

Pesticides Passed

Residual Solvents Passed

Pathogenic Passed

Microbiology (qPCR) Passed

Potency Summary

Total HHC	2.72%	Delta 9 THC	<LOQ
per Serving	136 mg	per Serving	0.00 mg
per Package	4080 mg	per Package	0.00 mg
Total Active CBD	<LOQ	Total CBG	<LOQ
per Serving	0.00 mg	per Serving	0.00 mg
per Package	0.00 mg	per Package	0.00 mg
Total CBN	0.0320%	Total Cannabinoids	6.93%
per Serving	1.60 mg	per Serving	345 mg
per Package	48.0 mg	per Package	10400 mg
Total Active THC	<LOQ		
per Serving	0.00 mg		
per Package	0.00 mg		

Terpenes Summary

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	0.084	0.008%
trans-Caryophyllene	0.046	0.005%
alpha-Bisabolol	0.042	0.004%

Total Terpenes: 0.017%

Detailed Terpenes Analysis is on the following page

* Summary Results determined from two distinct Potency Tests - Potency 11 (LCUV) + Potency 25 (LCUV)

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. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034 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	Manufacturing Facility: RA Royal 41 enterprise dr Unit 101 Bunnell, Florida 32110 Production Date: 2025-07-14	Batch Data: Batch # 251715031 Batch Date: 2025-07-15 Extracted From: Hemp	Order Details: Test Reg State: Florida Food Permit #: 397102
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Order # RAR250729-100001 Order Date: 2025-07-29 Sample # AAGY496	Sampling Date: 2025-07-31 Lab Batch Date: 2025-07-31 Completion Date: 2025-08-07	Initial Gross Weight: 190.100 g Net Weight: 150.000 g	Net Weight per Package: 150000.000 mg Sampling Method: MSP 7.3.1	Net Weight per Serving: 5000 mg Servings Per Package: 30
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Potency 11 (LCUV) + Potency 25 (LCUV) **Tested** SOP13.001 (LCUV)
Specimen Weight: 1546.600 mg

Pieces For Panel: 30

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)	Per Serving (mg)	Per Package (mg)
Delta-8 THC	100.000	2.600000E-5	0.0015	38.1	3.81	191	5720
Delta9-THCP	100.000	1.170000E-5	0.0012	2.75	0.275	13.7	412
Delta-8 THCV	10.000	4.000000E-5	0.0015	0.511	0.0511	2.56	76.7
CBN	100.000	1.400000E-5	0.0015	0.320	0.0320	1.60	48.0
CBT	10.000	2.000000E-4	0.0015	0.174	0.0174	0.869	26.1
CBD	100.000	5.400000E-5	0.0015	0.0700	0.00700	0.350	10.5
THCV	100.000	7.000000E-6	0.0015	0.0700	0.00700	0.350	10.5
Delta8-THCP	10.000	3.750000E-4	0.0015	0.0491	0.00490	0.246	7.37
CBGA	100.000	8.000000E-5	0.0015	0.0200	0.00200	0.100	3.00
CBG	100.000	2.480000E-4	0.0015	0.00100	0.00100	0.00500	0.150
CBC	100.000	2.760000E-5	0.075	<LOQ	<LOQ	0.00	0.00
CBDA	100.000	1.000000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBDV	100.000	6.500000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
Delta-9 THC	100.000	1.300000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
THCA-A	100.000	3.200000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBCA	10.000	1.070000E-4	0.0015	<LOQ	<LOQ	0.00	0.00
CBDVA	10.000	1.400000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBL	10.000	3.500000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBNA	10.000	9.500000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
Delta-8 THC-O Acetate	10.000	2.700000E-5	0.003	<LOQ	<LOQ	0.00	0.00
Delta-9 THC-O Acetate	10.000	7.700000E-5	0.003	<LOQ	<LOQ	0.00	0.00
Exo-THC	10.000	2.300000E-4	0.0015	<LOQ	<LOQ	0.00	0.00
THCB	10.000	1.800000E-4	0.00195	<LOQ	<LOQ	0.00	0.00
THCH	10.000	3.500000E-4	0.00195	<LOQ	<LOQ	0.00	0.00
THCVA	10.000	4.700000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
Total Active THC	100.000			<LOQ	<LOQ	0.00	0.00
Total Active CBD	100.000			<LOQ	<LOQ	0.00	0.00

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Certificate of Analysis
Compliance Test

Client Information: RA Royal 41 enterprise dr Unit 101 Bunnell, Florida 32110	Manufacturing Facility: RA Royal 41 enterprise dr Unit 101 Bunnell, Florida 32110 Production Date: 2025-07-14	Batch Data: Batch # 251715031 Batch Date: 2025-07-15 Extracted From: Hemp	Order Details: Test Reg State: Florida Food Permit #: 397102
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Order # RAR250729-100001 Order Date: 2025-07-29 Sample # AAGY496	Sampling Date: 2025-07-31 Lab Batch Date: 2025-07-31 Completion Date: 2025-08-07	Initial Gross Weight: 190.100 g Net Weight: 150.000 g	Net Weight per Package: 150000.000 mg Sampling Method: MSP 7.3.1	Net Weight per Serving: 5000 mg Servings Per Package: 30
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Terpenes **Tested**
Specimen Weight: 1546.600 mg SOP13.045 (GC-MS/GC (Liquid Injection))

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.002	0.0840	0.008	Fenchone	0.002	<LOQ	<LOQ
trans-Caryophyllene	0.002	0.0460	0.005	Fenchyl Alcohol	0.002	<LOQ	<LOQ
alpha-Bisabolol	0.002	0.0420	0.004	Gamma-Terpinene	0.002	<LOQ	<LOQ
(+)-Cedrol	0.002	<LOQ	<LOQ	Geraniol	0.002	<LOQ	<LOQ
3-Carene	0.002	<LOQ	<LOQ	Geranyl acetate	0.002	<LOQ	<LOQ
alpha-Cedrene	0.002	<LOQ	<LOQ	Guaiol	0.002	<LOQ	<LOQ
alpha-Humulene	0.002	<LOQ	<LOQ	Hexahydrothymol	0.002	<LOQ	<LOQ
alpha-Phellandrene	0.002	<LOQ	<LOQ	Isoborneol	0.002	<LOQ	<LOQ
alpha-Pinene	0.002	<LOQ	<LOQ	Isopulegol	0.002	<LOQ	<LOQ
alpha-Terpinene	0.002	<LOQ	<LOQ	Linalool	0.002	<LOQ	<LOQ
beta-Myrcene	0.002	<LOQ	<LOQ	Nerol	0.002	<LOQ	<LOQ
beta-Pinene	0.002	<LOQ	<LOQ	Ocimene	0.00033	<LOQ	<LOQ
Borneol	0.004	<LOQ	<LOQ	Pulegone	0.002	<LOQ	<LOQ
Camphene	0.002	<LOQ	<LOQ	Sabinene	0.002	<LOQ	<LOQ
Camphors	0.006	<LOQ	<LOQ	Sabinene Hydrate	0.002	<LOQ	<LOQ
Caryophyllene oxide	0.002	<LOQ	<LOQ	Terpinolene	0.002	<LOQ	<LOQ
cis-Nerolidol	0.002	<LOQ	<LOQ	Total Terpeneol	0.00126	<LOQ	<LOQ
Eucalyptol	0.002	<LOQ	<LOQ	trans-Nerolidol	0.002	<LOQ	<LOQ
Farnesene	0.002	<LOQ	<LOQ	Valencene	0.002	<LOQ	<LOQ

PCR Total Yeast and Mold **Passed**
Specimen Weight: 510.500 mg SOP13.017 (qPCR)

Dilution Factor: 8.000

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Total Yeast/Mold	1000	100000	<LOQ

Pathogenic SAE (qPCR) FL **Passed**
Specimen Weight: 1003.200 mg 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	Absence in 1g	Shiga toxin-producing E. coli (STEC)	1	Absence in 1g
Salmonella	1	Absence in 1g			

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Compliance Test

Client Information: RA Royal 41 enterprise dr Unit 101 Bunnell, Florida 32110	Manufacturing Facility: RA Royal 41 enterprise dr Unit 101 Bunnell, Florida 32110 Production Date: 2025-07-14	Batch Data: Batch # 251715031 Batch Date: 2025-07-15 Extracted From: Hemp	Order Details: Test Reg State: Florida Food Permit #: 397102
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Order # RAR250729-100001 Order Date: 2025-07-29 Sample # AAGY496	Sampling Date: 2025-07-31 Lab Batch Date: 2025-07-31 Completion Date: 2025-08-07	Initial Gross Weight: 190.100 g Net Weight: 150.000 g	Net Weight per Package: 150000.000 mg Sampling Method: MSP 7.3.1	Net Weight per Serving: 5000 mg Servings Per Package: 30
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H Heavy Metals Florida **Passed**
Specimen Weight: 249.400 mg SOP13.048 (ICP-MS)

Dilution Factor: 200.481

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	1500	<LOQ	Lead (Pb)	0.007	100	500	<LOQ
Cadmium (Cd)	0.003	100	500	<LOQ	Mercury (Hg)	0.016	100	3000	<LOQ

Mycotoxins **Passed**
Specimen Weight: 611.500 mg SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.450

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	0.304	6	20	<LOQ	Aflatoxin G2	0.271	6	20	<LOQ
Aflatoxin B2	0.077	6	20	<LOQ	Ochratoxin A	0.754	3.8	20	<LOQ
Aflatoxin G1	0.304	6	20	<LOQ					

HHCP HHCP **Tested**
Specimen Weight: 1546.600 mg SOP13.050 (LCMS)

Dilution Factor: 1000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	0.000	0.075	19.9	1.99 9(S)-HHCP	0.000	0.075	<LOQ	<LOQ
(9S)-HHC	0.000	0.075	7.24	0.724 CBC	0.000	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	0.000	0.075	<LOQ	<LOQ Delta-8 THC methyl ether	0.000	0.075	<LOQ	<LOQ
1(R)-H4-CBD	0.000	0.15	<LOQ	<LOQ Delta-9 THC methyl ether	0.000	0.075	<LOQ	<LOQ
1(S)-H4-CBD	0.000	0.15	<LOQ	<LOQ H2-CBD	0.000	0.075	<LOQ	<LOQ
9(R)-HHCP	0.000	0.075	<LOQ	<LOQ Total HHC		0.075	27.2	2.71708

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Certificate of Analysis
Compliance Test

Client Information: RA Royal 41 enterprise dr Unit 101 Bunnell, Florida 32110	Manufacturing Facility: RA Royal 41 enterprise dr Unit 101 Bunnell, Florida 32110 Production Date: 2025-07-14	Batch Data: Batch # 251715031 Batch Date: 2025-07-15 Extracted From: Hemp	Order Details: Test Reg State: Florida Food Permit #: 397102
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Order # RAR250729-100001 Order Date: 2025-07-29 Sample # AAGY496	Sampling Date: 2025-07-31 Lab Batch Date: 2025-07-31 Completion Date: 2025-08-07	Initial Gross Weight: 190.100 g Net Weight: 150.000 g	Net Weight per Package: 150000.000 mg Sampling Method: MSP 7.3.1	Net Weight per Serving: 5000 mg Servings Per Package: 30
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Residual Solvents - FL (CBD) **Passed**
Specimen Weight: 17.400 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	8	<LOQ	Heptane	0.001	13.9	5000	<LOQ
1,2-Dichloroethane	0.000	0.4	2	<LOQ	Hexane	0.068	11.7	250	<LOQ
Acetone	0.015	20.8	750	<LOQ	Isopropyl alcohol	0.005	13.9	500	<LOQ
Acetonitrile	0.060	11.7	60	<LOQ	Methanol	0.001	6.9	250	<LOQ
Benzene	0.000	0.2	1	<LOQ	Methylene chloride	0.003	24.3	125	<LOQ
Butanes	0.417	25	5000	<LOQ	Pentane	0.037	20.8	750	<LOQ
Chloroform	0.000	0.4	2	<LOQ	Propane	0.031	58.3	5000	<LOQ
Ethanol	0.002	27.8	5000	<LOQ	Toluene	0.001	29.2	150	<LOQ
Ethyl Acetate	0.001	11.1	400	<LOQ	Total Xylenes	0.000	29.2	150	<LOQ
Ethyl Ether	0.005	13.9	500	<LOQ	Trichloroethylene	0.001	4.9	25	<LOQ
Ethylene Oxide	0.004	1	5	<LOQ					

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Certificate of Analysis

Compliance Test

Client Information: RA Royal 41 enterprise dr Unit 101 Bunnell, Florida 32110	Manufacturing Facility: RA Royal 41 enterprise dr Unit 101 Bunnell, Florida 32110 Production Date: 2025-07-14	Batch Data: Batch # 251715031 Batch Date: 2025-07-15 Extracted From: Hemp	Order Details: Test Reg State: Florida Food Permit #: 397102
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Order # RAR250729-100001 Order Date: 2025-07-29 Sample # AAGY496	Sampling Date: 2025-07-31 Lab Batch Date: 2025-07-31 Completion Date: 2025-08-07	Initial Gross Weight: 190.100 g Net Weight: 150.000 g	Net Weight per Package: 150000.000 mg Sampling Method: MSP 7.3.1	Net Weight per Serving: 5000 mg Servings Per Package: 30
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Pesticides Florida
Specimen Weight: 611.500 mg

Passed
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.450

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result
Abamectin	0.288	28.23	300	<LOQ	Fludioxonil	1.740	48	3000	<LOQ
Acephate	0.023	30	3000	<LOQ	Hexythiazox	0.049	30	2000	<LOQ
Acequinocyl	9.564	48	2000	<LOQ	Imazalil	0.248	30	100	<LOQ
Acetamiprid	0.052	30	3000	<LOQ	Imidacloprid	0.094	30	3000	<LOQ
Aldicarb	0.026	30	100	<LOQ	Kresoxim Methyl	0.042	30	1000	<LOQ
Azoxystrobin	0.081	10	3000	<LOQ	Malathion	0.082	30	2000	<LOQ
Bifenazate	1.415	30	3000	<LOQ	Metalaxyl	0.081	10	3000	<LOQ
Bifenthrin	0.043	30	500	<LOQ	Methiocarb	0.032	30	100	<LOQ
Boscalid	0.055	10	3000	<LOQ	Methomyl	0.022	30	100	<LOQ
Captan	6.120	30	3000	<LOQ	methyl-Parathion	1.710	10	100	<LOQ
Carbaryl	0.022	10	500	<LOQ	Mevinphos	2.150	10	100	<LOQ
Carbofuran	0.034	10	100	<LOQ	Myclobutanil	0.573	10	0	<LOQ
Chlorantraniliprole	0.033	10	3000	<LOQ	Naled	0.095	30	500	<LOQ
Chlordane	10.000	10	100	<LOQ	Oxamyl	0.025	30	500	<LOQ
Chlorfenapyr	0.034	30	100	<LOQ	Pacllobutrazol	0.065	30	100	<LOQ
Chlormequat Chloride	0.108	10	3000	<LOQ	Pentachloronitrobenzene	1.320	10	200	<LOQ
Chlorpyrifos	0.035	30	100	<LOQ	Permethrin	0.343	30	1000	<LOQ
Clofentezine	0.119	30	500	<LOQ	Phosmet	0.082	30	200	<LOQ
Coumaphos	3.770	48	100	<LOQ	Piperonylbutoxide	0.029	30	3000	<LOQ
Cyfluthrin	3.110	30	1000	<LOQ	Prallethrin	0.798	30	400	<LOQ
Cypermethrin	1.449	30	1000	<LOQ	Propiconazole	0.070	30	1000	<LOQ
Daminozide	0.885	30	100	<LOQ	Propoxur	0.046	30	100	<LOQ
Diazinon	0.044	30	200	<LOQ	Pyrethrins	23.593	30	1000	<LOQ
Dichlorvos	2.182	30	100	<LOQ	Pyridaben	0.032	30	3000	<LOQ
Dimethoate	0.021	30	100	<LOQ	Spinetoram	0.080	10	3000	<LOQ
Dimethomorph	5.830	48	3000	<LOQ	Spinosad	0.088	30	3000	<LOQ
Ethoprophos	0.360	30	100	<LOQ	Spiromesifen	0.261	30	3000	<LOQ
Etofenprox	0.116	30	100	<LOQ	Spirotetramat	0.089	30	3000	<LOQ
Etoxazole	0.095	30	1500	<LOQ	Spiroxamine	0.131	30	100	<LOQ
Fenhexamid	0.510	10	3000	<LOQ	Tebuconazole	0.067	30	1000	<LOQ
Fenoxycarb	0.107	30	100	<LOQ	Thiacloprid	0.064	30	100	<LOQ
Fenpyroximate	0.138	30	2000	<LOQ	Thiamethoxam	0.050	30	1000	<LOQ
Fipronil	0.107	30	100	<LOQ	Trifloxystrobin	0.037	30	3000	<LOQ
Fonicamid	0.517	30	2000	<LOQ					

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Certificate of Analysis

Compliance Test

Client Information:

RA Royal
41 enterprise dr
Unit 101
Bunnell, Florida 32110

Manufacturing Facility:

RA Royal
41 enterprise dr
Unit 101
Bunnell, Florida 32110
Production Date: 2025-07-14

Batch Data:

Batch # 251715028
Batch Date: 2025-07-15
Extracted From: Hemp

Order Details:

Test Reg State: Florida
Food Permit #: 397102

Order #

RAR250729-100001
Order Date: 2025-07-29
Sample # AAGY495

Sampling Date: 2025-07-31

Lab Batch Date: 2025-07-31
Completion Date: 2025-08-07

Initial Gross Weight: 191.100

g
Net Weight: 150.000 g

Net Weight per Package:

150000.000 mg
Sampling Method:
MSP 7.3.1

Net Weight per Serving:

5000 mg
Servings Per Package:
30



Product Image

Potency
Tested

HHCP
Tested

Terpenes
Tested

Heavy Metals
Passed

Mycotoxins
Passed

Pesticides
Passed

Residual Solvents
Passed

Pathogenic
Passed

Microbiology (qPCR)
Passed

Potency Summary

Total HHC	2.99%	Delta 9 THC	<LOQ
per Serving	149 mg	per Serving	0.00 mg
per Package	4480 mg	per Package	0.00 mg
Total Active CBD	<LOQ	Total CBG	<LOQ
per Serving	0.00 mg	per Serving	0.00 mg
per Package	0.00 mg	per Package	0.00 mg
Total CBN	0.0330%	Total Cannabinoids	7.36%
per Serving	1.65 mg	per Serving	367 mg
per Package	49.5 mg	per Package	11000 mg
Total Active THC	<LOQ		
per Serving	0.00 mg		
per Package	0.00 mg		

Terpenes Summary

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	0.094	0.009%
trans-Caryophyllene	0.052	0.005%
alpha-Bisabolol	0.046	0.005%
Guaiol	0.027	0.003%

Total Terpenes: 0.022%

Detailed Terpenes Analysis is on the following page

* Summary Results determined from two distinct Potency Tests - Potency 11 (LCUV) + Potency 25 (LCUV)

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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. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034 The results apply to the sample as received.

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Order # RAR250729-100001 Order Date: 2025-07-29 Sample # AAGY495	Sampling Date: 2025-07-31 Lab Batch Date: 2025-07-31 Completion Date: 2025-08-07	Initial Gross Weight: 191.100 g Net Weight: 150.000 g	Net Weight per Package: 150000.000 mg Sampling Method: MSP 7.3.1	Net Weight per Serving: 50000 mg Servings Per Package: 30
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Potency 11 (LCUV) + Potency 25 (LCUV) **Tested** SOP13.001 (LCUV)
Specimen Weight: 1539.300 mg

Pieces For Panel: 30

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)	Per Serving (mg)	Per Package (mg)
Delta-8 THC	100.000	2.60000E-5	0.0015	39.5	3.95	197	5920
Delta9-THCP	100.000	1.17000E-5	0.0012	2.94	0.294	14.7	441
Delta-8 THCV	10.000	4.00000E-5	0.0015	0.542	0.0542	2.71	81.3
CBN	100.000	1.40000E-5	0.0015	0.330	0.0330	1.65	49.5
CBT	10.000	2.00000E-4	0.0015	0.187	0.0187	0.933	28.0
CBD	100.000	5.40000E-5	0.0015	0.0800	0.00800	0.400	12.0
THCV	100.000	7.00000E-6	0.0015	0.0800	0.00800	0.400	12.0
Delta8-THCP	10.000	3.75000E-4	0.0015	0.0537	0.00540	0.269	8.06
CBG	100.000	2.48000E-4	0.0015	0.0200	0.00200	0.100	3.00
CBGA	100.000	8.00000E-5	0.0015	0.0200	0.00200	0.100	3.00
CBC	100.000	2.76000E-5	0.075	<LOQ	<LOQ	0.00	0.00
CBDA	100.000	1.00000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBDV	100.000	6.50000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
Delta-9 THC	100.000	1.30000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
THCA-A	100.000	3.20000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBCA	10.000	1.07000E-4	0.0015	<LOQ	<LOQ	0.00	0.00
CBDVA	10.000	1.40000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBL	10.000	3.50000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
CBNA	10.000	9.50000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
Delta-8 THC-O Acetate	10.000	2.70000E-5	0.003	<LOQ	<LOQ	0.00	0.00
Delta-9 THC-O Acetate	10.000	7.70000E-5	0.003	<LOQ	<LOQ	0.00	0.00
Exo-THC	10.000	2.30000E-4	0.0015	<LOQ	<LOQ	0.00	0.00
THCB	10.000	1.80000E-4	0.00195	<LOQ	<LOQ	0.00	0.00
THCH	10.000	3.50000E-4	0.00195	<LOQ	<LOQ	0.00	0.00
THCVA	10.000	4.70000E-5	0.0015	<LOQ	<LOQ	0.00	0.00
Total Active THC	100.000			<LOQ	<LOQ	0.00	0.00
Total Active CBD	100.000			<LOQ	<LOQ	0.00	0.00

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Certificate of Analysis
Compliance Test

Client Information: RA Royal 41 enterprise dr Unit 101 Bunnell, Florida 32110	Manufacturing Facility: RA Royal 41 enterprise dr Unit 101 Bunnell, Florida 32110 Production Date: 2025-07-14	Batch Data: Batch # 251715028 Batch Date: 2025-07-15 Extracted From: Hemp	Order Details: Test Reg State: Florida Food Permit #: 397102
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Order # RAR250729-100001 Order Date: 2025-07-29 Sample # AAGY495	Sampling Date: 2025-07-31 Lab Batch Date: 2025-07-31 Completion Date: 2025-08-07	Initial Gross Weight: 191.100 g Net Weight: 150.000 g	Net Weight per Package: 150000.000 mg Sampling Method: MSP 7.3.1	Net Weight per Serving: 5000 mg Servings Per Package: 30
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Terpenes **Tested**
Specimen Weight: 1539.300 mg SOP13.045 (GC-MS/GC (Liquid Injection))

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.002	0.0940	0.009	Farnesene	0.002	<LOQ	<LOQ
alpha-Bisabolol	0.002	0.0460	0.005	Fenchone	0.002	<LOQ	<LOQ
trans-Caryophyllene	0.002	0.0520	0.005	Fenchyl Alcohol	0.002	<LOQ	<LOQ
Guaiol	0.002	0.0270	0.003	Gamma-Terpinene	0.002	<LOQ	<LOQ
(+)-Cedrol	0.002	<LOQ	<LOQ	Geraniol	0.002	<LOQ	<LOQ
3-Carene	0.002	<LOQ	<LOQ	Geranyl acetate	0.002	<LOQ	<LOQ
alpha-Cedrene	0.002	<LOQ	<LOQ	Hexahydrothymol	0.002	<LOQ	<LOQ
alpha-Humulene	0.002	<LOQ	<LOQ	Isoborneol	0.002	<LOQ	<LOQ
alpha-Phellandrene	0.002	<LOQ	<LOQ	Isopulegol	0.002	<LOQ	<LOQ
alpha-Pinene	0.002	<LOQ	<LOQ	Linalool	0.002	<LOQ	<LOQ
alpha-Terpinene	0.002	<LOQ	<LOQ	Nerol	0.002	<LOQ	<LOQ
beta-Myrcene	0.002	<LOQ	<LOQ	Ocimene	0.00033	<LOQ	<LOQ
beta-Pinene	0.002	<LOQ	<LOQ	Pulegone	0.002	<LOQ	<LOQ
Borneol	0.004	<LOQ	<LOQ	Sabinene	0.002	<LOQ	<LOQ
Camphene	0.002	<LOQ	<LOQ	Sabinene Hydrate	0.002	<LOQ	<LOQ
Camphors	0.006	<LOQ	<LOQ	Terpinolene	0.002	<LOQ	<LOQ
Caryophyllene oxide	0.002	<LOQ	<LOQ	Total Terpeneol	0.00126	<LOQ	<LOQ
cis-Nerolidol	0.002	<LOQ	<LOQ	trans-Nerolidol	0.002	<LOQ	<LOQ
Eucalyptol	0.002	<LOQ	<LOQ	Valencene	0.002	<LOQ	<LOQ

PCR Total Yeast and Mold **Passed**
Specimen Weight: 496.100 mg SOP13.017 (qPCR)

Dilution Factor: 8.000

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Total Yeast/Mold	1000	100000	<LOQ

Pathogenic SAE (qPCR) FL **Passed**
Specimen Weight: 1002.800 mg 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	Absence in 1g	Shiga toxin-producing E. coli (STEC)	1	Absence in 1g
Salmonella	1	Absence in 1g			

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Compliance Test

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Order # RAR250729-100001 Order Date: 2025-07-29 Sample # AAGY495	Sampling Date: 2025-07-31 Lab Batch Date: 2025-07-31 Completion Date: 2025-08-07	Initial Gross Weight: 191.100 g Net Weight: 150.000 g	Net Weight per Package: 150000.000 mg Sampling Method: MSP 7.3.1	Net Weight per Serving: 5000 mg Servings Per Package: 30
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H Heavy Metals Florida **Passed**
Specimen Weight: 252.100 mg SOP13.048 (ICP-MS)

Dilution Factor: 198.334

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	1500	<LOQ	Lead (Pb)	0.007	100	500	<LOQ
Cadmium (Cd)	0.003	100	500	<LOQ	Mercury (Hg)	0.016	100	3000	<LOQ

Mycotoxins **Passed**
Specimen Weight: 618.900 mg SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.420

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	0.304	6	20	<LOQ	Aflatoxin G2	0.271	6	20	<LOQ
Aflatoxin B2	0.077	6	20	<LOQ	Ochratoxin A	0.754	3.8	20	<LOQ
Aflatoxin G1	0.304	6	20	<LOQ					

HHCP **Tested**
Specimen Weight: 1539.300 mg SOP13.050 (LCMS)

Dilution Factor: 1000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	0.000	0.075	21.9	2.19 9(S)-HHCP	0.000	0.075	<LOQ	<LOQ
(9S)-HHC	0.000	0.075	7.92	0.792 CBC	0.000	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	0.000	0.075	<LOQ	<LOQ Delta-8 THC methyl ether	0.000	0.075	<LOQ	<LOQ
1(R)-H4-CBD	0.000	0.15	<LOQ	<LOQ Delta-9 THC methyl ether	0.000	0.075	0.751	0.0751
1(S)-H4-CBD	0.000	0.15	<LOQ	<LOQ H2-CBD	0.000	0.075	<LOQ	<LOQ
9(R)-HHCP	0.000	0.075	<LOQ	<LOQ Total HHC		0.075	29.9	2.9854

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RA Royal
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Unit 101
Bunnell, Florida 32110

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41 enterprise dr
Unit 101
Bunnell, Florida 32110
Production Date: 2025-07-14

Batch Data:

Batch # 251715028
Batch Date: 2025-07-15
Extracted From: Hemp

Order Details:

Test Reg State: Florida
Food Permit #: 397102

Order #

RAR250729-100001
Order Date: 2025-07-29
Sample # AAGY495

Sampling Date: 2025-07-31

Lab Batch Date: 2025-07-31
Completion Date: 2025-08-07

Initial Gross Weight: 191.100

g
Net Weight: 150.000 g

Net Weight per Package:

150000.000 mg
Sampling Method:
MSP 7.3.1

Net Weight per Serving:

5000 mg
Servings Per Package:
30



Residual Solvents - FL (CBD)

Specimen Weight: 15.100 mg

Passed

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	8	<LOQ	Heptane	0.001	13.9	5000	<LOQ
1,2-Dichloroethane	0.000	0.4	2	<LOQ	Hexane	0.068	11.7	250	<LOQ
Acetone	0.015	20.8	750	<LOQ	Isopropyl alcohol	0.005	13.9	500	<LOQ
Acetonitrile	0.060	11.7	60	<LOQ	Methanol	0.001	6.9	250	<LOQ
Benzene	0.000	0.2	1	<LOQ	Methylene chloride	0.003	24.3	125	<LOQ
Butanes	0.417	25	5000	<LOQ	Pentane	0.037	20.8	750	<LOQ
Chloroform	0.000	0.4	2	<LOQ	Propane	0.031	58.3	5000	<LOQ
Ethanol	0.002	27.8	5000	<LOQ	Toluene	0.001	29.2	150	<LOQ
Ethyl Acetate	0.001	11.1	400	<LOQ	Total Xylenes	0.000	29.2	150	<LOQ
Ethyl Ether	0.005	13.9	500	<LOQ	Trichloroethylene	0.001	4.9	25	<LOQ
Ethylene Oxide	0.004	1	5	<LOQ					

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Pesticides Florida
Specimen Weight: 618.900 mg

Passed
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.420

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result
Abamectin	0.288	28.23	300	<LOQ	Fludioxonil	1.740	48	3000	<LOQ
Acephate	0.023	30	3000	<LOQ	Hexythiazox	0.049	30	2000	<LOQ
Acequinocyl	9.564	48	2000	<LOQ	Imazalil	0.248	30	100	<LOQ
Acetamiprid	0.052	30	3000	<LOQ	Imidacloprid	0.094	30	3000	<LOQ
Aldicarb	0.026	30	100	<LOQ	Kresoxim Methyl	0.042	30	1000	<LOQ
Azoxystrobin	0.081	10	3000	<LOQ	Malathion	0.082	30	2000	<LOQ
Bifenazate	1.415	30	3000	<LOQ	Metalaxyl	0.081	10	3000	<LOQ
Bifenthrin	0.043	30	500	<LOQ	Methiocarb	0.032	30	100	<LOQ
Boscalid	0.055	10	3000	<LOQ	Methomyl	0.022	30	100	<LOQ
Captan	6.120	30	3000	<LOQ	methyl-Parathion	1.710	10	100	<LOQ
Carbaryl	0.022	10	500	<LOQ	Mevinphos	2.150	10	100	<LOQ
Carbofuran	0.034	10	100	<LOQ	Myclobutanil	0.573	10	0	<LOQ
Chlorantraniliprole	0.033	10	3000	<LOQ	Naled	0.095	30	500	<LOQ
Chlordane	10.000	10	100	<LOQ	Oxamyl	0.025	30	500	<LOQ
Chlorfenapyr	0.034	30	100	<LOQ	Pacllobutrazol	0.065	30	100	<LOQ
Chlormequat Chloride	0.108	10	3000	<LOQ	Pentachloronitrobenzene	1.320	10	200	<LOQ
Chlorpyrifos	0.035	30	100	<LOQ	Permethrin	0.343	30	1000	<LOQ
Clofentezine	0.119	30	500	<LOQ	Phosmet	0.082	30	200	<LOQ
Coumaphos	3.770	48	100	<LOQ	Piperonylbutoxide	0.029	30	3000	<LOQ
Cyfluthrin	3.110	30	1000	<LOQ	Prallethrin	0.798	30	400	<LOQ
Cypermethrin	1.449	30	1000	<LOQ	Propiconazole	0.070	30	1000	<LOQ
Daminozide	0.885	30	100	<LOQ	Propoxur	0.046	30	100	<LOQ
Diazinon	0.044	30	200	<LOQ	Pyrethrins	23.593	30	1000	<LOQ
Dichlorvos	2.182	30	100	<LOQ	Pyridaben	0.032	30	3000	<LOQ
Dimethoate	0.021	30	100	<LOQ	Spinetoram	0.080	10	3000	<LOQ
Dimethomorph	5.830	48	3000	<LOQ	Spinosad	0.088	30	3000	<LOQ
Ethoprophos	0.360	30	100	<LOQ	Spiromesifen	0.261	30	3000	<LOQ
Etofenprox	0.116	30	100	<LOQ	Spirotetramat	0.089	30	3000	<LOQ
Etoxazole	0.095	30	1500	<LOQ	Spiroxamine	0.131	30	100	<LOQ
Fenhexamid	0.510	10	3000	<LOQ	Tebuconazole	0.067	30	1000	<LOQ
Fenoxycarb	0.107	30	100	<LOQ	Thiacloprid	0.064	30	100	<LOQ
Fenpyroximate	0.138	30	2000	<LOQ	Thiamethoxam	0.050	30	1000	<LOQ
Fipronil	0.107	30	100	<LOQ	Trifloxystrobin	0.037	30	3000	<LOQ
Fonicamid	0.517	30	2000	<LOQ					

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