



## 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: 2025-07-27

**Batch Data:**

Batch # 252807211  
Batch Date: 2025-07-28  
Extracted From: Hemp

**Order Details:**

Test Reg State: Florida  
Food Permit #: 397102

**Order #**

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY497

**Sampling Date:** 2025-07-31

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

**Initial Gross Weight:** 190.700  
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**



**Terpenes  
Tested**



**Heavy Metals  
Passed**



**Mycotoxins  
Passed**



**Pesticides  
Passed**



**Residual Solvents  
Passed**



**Pathogenic  
Passed**



**Microbiology (qPCR)  
Passed**

### Potency Summary

|                           |                |                         |                |
|---------------------------|----------------|-------------------------|----------------|
| <b>Delta 9 THC</b>        | <b>0.205%</b>  | <b>Total Active CBD</b> | <b>0.133%</b>  |
| per Serving               | 10.3 mg        | per Serving             | 6.65 mg        |
| per Package               | 308 mg         | per Package             | 200 mg         |
| <b>Total CBG</b>          | <b>&lt;LOQ</b> | <b>Total CBN</b>        | <b>&lt;LOQ</b> |
| per Serving               | 0.00 mg        | per Serving             | 0.00 mg        |
| per Package               | 0.00 mg        | per Package             | 0.00 mg        |
| <b>Total Cannabinoids</b> | <b>0.647%</b>  | <b>Total Active THC</b> | <b>0.205%</b>  |
| per Serving               | 31.5 mg        | per Serving             | 10.3 mg        |
| per Package               | 945 mg         | per Package             | 308 mg         |



### Terpenes Summary

| Analyte         | Result (mg/g) | (%)    |
|-----------------|---------------|--------|
| alpha-Bisabolol | 0.051         | 0.005% |

**Total Terpenes: 0.005%**

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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Food Permit #: 397102

**Order #**

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY497

**Sampling Date:** 2025-07-31

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

**Initial Gross Weight:** 190.700  
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 11 (LCUV) + Potency 25 (LCUV)** **Tested** **SOP13.001 (LCUV)**  
Specimen Weight: 1513.400 mg

Pieces For Panel: 30

| Analyte               | Dilution<br>(1:n) | LOD<br>(mg/g) | LOQ<br>(%) | Result<br>(mg/g) | (%)     | Per Serving<br>(mg) | Per Package<br>(mg) |
|-----------------------|-------------------|---------------|------------|------------------|---------|---------------------|---------------------|
| Delta9-THCP           | 100.000           | 1.170000E-5   | 0.0012     | 2.59             | 0.259   | 12.9                | 388                 |
| Delta-9 THC           | 10.000            | 1.300000E-5   | 0.0015     | 2.05             | 0.205   | 10.3                | 308                 |
| CBD                   | 10.000            | 5.400000E-5   | 0.0015     | 1.33             | 0.133   | 6.65                | 200                 |
| CBT                   | 10.000            | 2.000000E-4   | 0.0015     | 0.279            | 0.0279  | 1.39                | 41.8                |
| CBDV                  | 10.000            | 6.500000E-5   | 0.0015     | 0.0400           | 0.00400 | 0.200               | 6.00                |
| Delta8-THCP           | 10.000            | 3.750000E-4   | 0.0015     | 0.0351           | 0.00350 | 0.176               | 5.27                |
| CBC                   | 10.000            | 1.800000E-5   | 0.0015     | 0.0300           | 0.00300 | 0.150               | 4.50                |
| Delta-8 THC           | 10.000            | 2.600000E-5   | 0.0015     | 0.0300           | 0.00300 | 0.150               | 4.50                |
| CBG                   | 10.000            | 2.480000E-4   | 0.0015     | 0.0200           | 0.00200 | 0.100               | 3.00                |
| CBN                   | 10.000            | 1.400000E-5   | 0.0015     | 0.0200           | 0.00200 | 0.100               | 3.00                |
| THCV                  | 10.000            | 7.000000E-6   | 0.0015     | 0.0200           | 0.00200 | 0.100               | 3.00                |
| Delta-8 THCv          | 10.000            | 4.000000E-5   | 0.0015     | 0.0161           | 0.00160 | 0.0805              | 2.42                |
| CBL                   | 10.000            | 3.500000E-5   | 0.0015     | 0.00138          | 0.00138 | 0.00688             | 0.206               |
| CBDA                  | 10.000            | 1.000000E-5   | 0.0015     | <LOQ             | <LOQ    | 0.00                | 0.00                |
| CBGA                  | 10.000            | 8.000000E-5   | 0.0015     | <LOQ             | <LOQ    | 0.00                | 0.00                |
| THCA-A                | 10.000            | 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                |
| 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      | 10.000            |               |            | 2.05             | 0.205   | 10.3                | 308                 |
| Total Active CBD      | 10.000            |               |            | 1.33             | 0.133   | 6.65                | 200                 |

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



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Production Date: 2025-07-27

**Batch Data:**

Batch # 252807211  
Batch Date: 2025-07-28  
Extracted From: Hemp

**Order Details:**

Test Reg State: Florida  
Food Permit #: 397102

**Order #**

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY497

**Sampling Date:** 2025-07-31

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

**Initial Gross Weight:** 190.700 g

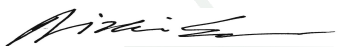
**Net Weight per Package:**  
150000.000 mg  
**Sampling Method:**  
MSP 7.3.1

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

| Terpenes                     |         |               |       | Tested                                  |         |               |     |
|------------------------------|---------|---------------|-------|-----------------------------------------|---------|---------------|-----|
| Specimen Weight: 1513.400 mg |         |               |       | SOP13.045 (GC-MS/GC (Liquid Injection)) |         |               |     |
| Dilution Factor: 20.000      |         |               |       |                                         |         |               |     |
| Analyte                      | LOQ (%) | Result (mg/g) | (%)   | Analyte                                 | LOQ (%) | Result (mg/g) | (%) |
| alpha-Bisabolol              | 0.002   | 0.0510        | 0.005 | Fenchyl Alcohol                         | 0.002   | <LOQ          |     |
| (+)-Cedrol                   | 0.002   | <LOQ          |       | Gamma-Terpinene                         | 0.002   | <LOQ          |     |
| (R)-(+)-Limonene             | 0.002   | <LOQ          |       | Geraniol                                | 0.002   | <LOQ          |     |
| 3-Carene                     | 0.002   | <LOQ          |       | Geranyl acetate                         | 0.002   | <LOQ          |     |
| alpha-Cedrene                | 0.002   | <LOQ          |       | Guaial                                  | 0.002   | <LOQ          |     |
| alpha-Humulene               | 0.002   | <LOQ          |       | Hexahydrothymol                         | 0.002   | <LOQ          |     |
| alpha-Phellandrene           | 0.002   | <LOQ          |       | Isoborneol                              | 0.002   | <LOQ          |     |
| alpha-Pinene                 | 0.002   | <LOQ          |       | Isopulegol                              | 0.002   | <LOQ          |     |
| alpha-Terpinene              | 0.002   | <LOQ          |       | Linalool                                | 0.002   | <LOQ          |     |
| beta-Myrcene                 | 0.002   | <LOQ          |       | Nerol                                   | 0.002   | <LOQ          |     |
| beta-Pinene                  | 0.002   | <LOQ          |       | Ocimene                                 | 0.00033 | <LOQ          |     |
| Borneol                      | 0.004   | <LOQ          |       | Pulegone                                | 0.002   | <LOQ          |     |
| Camphene                     | 0.002   | <LOQ          |       | Sabinene                                | 0.002   | <LOQ          |     |
| Camphors                     | 0.006   | <LOQ          |       | Sabinene Hydrate                        | 0.002   | <LOQ          |     |
| Caryophyllene oxide          | 0.002   | <LOQ          |       | Terpinolene                             | 0.002   | <LOQ          |     |
| cis-Nerolidol                | 0.002   | <LOQ          |       | Total Terpeneol                         | 0.00126 | <LOQ          |     |
| Eucalyptol                   | 0.002   | <LOQ          |       | trans-Caryophyllene                     | 0.002   | <LOQ          |     |
| Farnesene                    | 0.002   | <LOQ          |       | trans-Nerolidol                         | 0.002   | <LOQ          |     |
| Fenchone                     | 0.002   | <LOQ          |       | Valencene                               | 0.002   | <LOQ          |     |

| PCR Total Yeast and Mold    |             |                      |                | Passed           |  |
|-----------------------------|-------------|----------------------|----------------|------------------|--|
| Specimen Weight: 520.600 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: 1014.700 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  |                                      |                      |                |                  |  |

  
Aixia Sun Lab Director/Principal Scientist  
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g

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

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

**Heavy Metals Florida**

Specimen Weight: 248.900 mg

**Passed**

SOP13.048 (ICP-MS)

Dilution Factor: 200.884

| 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**

Specimen Weight: 600.300 mg

**Passed**

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.500

| 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         |              |           |           |                    |              |

**Residual Solvents - FL (CBD)**

Specimen Weight: 7.500 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               | 151          | Toluene            | 0.001     | 29.2      | 150                | <LOQ         |
| Ethyl Acetate      | 0.001     | 11.1      | 400                | 20.0         | 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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150000.000 mg  
Sampling Method:  
MSP 7.3.1Net Weight per Serving:  
5000 mg  
Servings Per Package:  
30

## Pesticides Florida

Specimen Weight: 600.300 mg

Passed

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.500

| Analyte              | LOD (ppb) | LOQ (ppb) | Action Level (ppb) | Result (ppb) | 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         | Paclobutrazol           | 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         |
| Flonicamid           | 0.517     | 30        | 2000               | <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  
Bunnell, Florida 32110

**Manufacturing Facility:**

RA Royal  
41 enterprise dr  
Unit 101  
Bunnell, Florida 32110  
Production Date: 2025-07-27

**Batch Data:**

Batch # 252807206  
Batch Date: 2025-07-28  
Extracted From: Hemp

**Order Details:**

Test Reg State: Florida  
Food Permit #: 397102

**Order #**

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY498

**Sampling Date:** 2025-07-31

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

**Initial Gross Weight:** 197.700 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



**Terpenes**  
Tested



**Heavy Metals**  
Passed



**Mycotoxins**  
Passed



**Pesticides**  
Passed



**Residual Solvents**  
Passed



**Pathogenic**  
Passed



**Microbiology (qPCR)**  
Passed

### Potency Summary

|                           |                |                         |                |
|---------------------------|----------------|-------------------------|----------------|
| <b>Delta 9 THC</b>        | <b>0.184%</b>  | <b>Total Active CBD</b> | <b>0.120%</b>  |
| per Serving               | 9.20 mg        | per Serving             | 6.00 mg        |
| per Package               | 276 mg         | per Package             | 180 mg         |
| <b>Total CBG</b>          | <b>&lt;LOQ</b> | <b>Total CBN</b>        | <b>&lt;LOQ</b> |
| per Serving               | 0.00 mg        | per Serving             | 0.00 mg        |
| per Package               | 0.00 mg        | per Package             | 0.00 mg        |
| <b>Total Cannabinoids</b> | <b>0.582%</b>  | <b>Total Active THC</b> | <b>0.184%</b>  |
| per Serving               | 28.3 mg        | per Serving             | 9.20 mg        |
| per Package               | 848 mg         | per Package             | 276 mg         |



### Terpenes Summary

| Analyte             | Result (mg/g) | (%)    |
|---------------------|---------------|--------|
| (R)-(+)-Limonene    | 0.065         | 0.007% |
| alpha-Bisabolol     | 0.049         | 0.005% |
| trans-Caryophyllene | 0.029         | 0.003% |

**Total Terpenes: 0.015%**

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  
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, (ug/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (ug/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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41 enterprise dr  
Unit 101  
Bunnell, Florida 32110

**Manufacturing Facility:**

RA Royal  
41 enterprise dr  
Unit 101  
Bunnell, Florida 32110  
Production Date: 2025-07-27

**Batch Data:**

Batch # 252807206  
Batch Date: 2025-07-28  
Extracted From: Hemp

**Order Details:**

Test Reg State: Florida  
Food Permit #: 397102

**Order #**

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY498

**Sampling Date:** 2025-07-31

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

**Initial Gross Weight:** 197.700 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 11 (LCUV) + Potency 25 (LCUV)

Specimen Weight: 1513.700 mg

Tested

SOP13.001 (LCUV)

Pieces For Panel: 30

| Analyte               | Dilution (1:n) | LOD (mg/g)  | LOQ (%) | Result (mg/g) | (%)     | Per Serving (mg) | Per Package (mg) |
|-----------------------|----------------|-------------|---------|---------------|---------|------------------|------------------|
| Delta9-THCP           | 100.000        | 1.170000E-5 | 0.0012  | 2.33          | 0.233   | 11.7             | 350              |
| Delta-9 THC           | 10.000         | 1.300000E-5 | 0.0015  | 1.84          | 0.184   | 9.20             | 276              |
| CBD                   | 10.000         | 5.400000E-5 | 0.0015  | 1.20          | 0.120   | 6.00             | 180              |
| CBT                   | 10.000         | 2.000000E-4 | 0.0015  | 0.244         | 0.0244  | 1.22             | 36.6             |
| Delta8-THCP           | 10.000         | 3.750000E-4 | 0.0015  | 0.0320        | 0.00320 | 0.160            | 4.80             |
| CBDV                  | 10.000         | 6.500000E-5 | 0.0015  | 0.0300        | 0.00300 | 0.150            | 4.50             |
| Delta-8 THC           | 10.000         | 2.600000E-5 | 0.0015  | 0.0300        | 0.00300 | 0.150            | 4.50             |
| CBC                   | 10.000         | 1.800000E-5 | 0.0015  | 0.0200        | 0.00200 | 0.100            | 3.00             |
| CBG                   | 10.000         | 2.480000E-4 | 0.0015  | 0.0200        | 0.00200 | 0.100            | 3.00             |
| CBN                   | 10.000         | 1.400000E-5 | 0.0015  | 0.0200        | 0.00200 | 0.100            | 3.00             |
| THCV                  | 10.000         | 7.000000E-6 | 0.0015  | 0.0200        | 0.00200 | 0.100            | 3.00             |
| CBL                   | 10.000         | 3.500000E-5 | 0.0015  | 0.00143       | 0.00143 | 0.00715          | 0.214            |
| Delta-8 THCV          | 10.000         | 4.000000E-5 | 0.0015  | 0.00140       | 0.00140 | 0.00698          | 0.209            |
| CBDA                  | 10.000         | 1.000000E-5 | 0.0015  | <LOQ          | <LOQ    | 0.00             | 0.00             |
| CBGA                  | 10.000         | 8.000000E-5 | 0.0015  | <LOQ          | <LOQ    | 0.00             | 0.00             |
| THCA-A                | 10.000         | 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             |
| 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      | 10.000         |             |         | 1.84          | 0.184   | 9.20             | 276              |
| Total Active CBD      | 10.000         |             |         | 1.20          | 0.120   | 6.00             | 180              |

*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

## Manufacturing Facility:

RA Royal  
41 enterprise dr  
Unit 101  
Bunnell, Florida 32110  
Production Date: 2025-07-27

## Batch Data:

Batch # 252807206  
Batch Date: 2025-07-28  
Extracted From: Hemp

## Order Details:

Test Reg State: Florida  
Food Permit #: 397102

## Order #

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY498

## Sampling Date: 2025-07-31

Lab Batch Date: 2025-07-31  
Completion Date: 2025-08-07Initial Gross Weight: 197.700  
gNet Weight per Package:  
150000.000 mg  
Sampling Method:  
MSP 7.3.1Net Weight per Serving:  
5000 mg  
Servings Per Package:  
30

| Terpenes                     |         |               |       | Tested                                  |         |               |     |
|------------------------------|---------|---------------|-------|-----------------------------------------|---------|---------------|-----|
| Specimen Weight: 1513.700 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   | 0.0650        | 0.007 | Fenchone                                | 0.002   | <LOQ          |     |
| alpha-Bisabolol              | 0.002   | 0.0490        | 0.005 | Fenchyl Alcohol                         | 0.002   | <LOQ          |     |
| trans-Caryophyllene          | 0.002   | 0.0290        | 0.003 | Gamma-Terpinene                         | 0.002   | <LOQ          |     |
| (+)-Cedrol                   | 0.002   | <LOQ          |       | Geraniol                                | 0.002   | <LOQ          |     |
| 3-Carene                     | 0.002   | <LOQ          |       | Geranyl acetate                         | 0.002   | <LOQ          |     |
| alpha-Cedrene                | 0.002   | <LOQ          |       | Guaiol                                  | 0.002   | <LOQ          |     |
| alpha-Humulene               | 0.002   | <LOQ          |       | Hexahydrothymol                         | 0.002   | <LOQ          |     |
| alpha-Phellandrene           | 0.002   | <LOQ          |       | Isoborneol                              | 0.002   | <LOQ          |     |
| alpha-Pinene                 | 0.002   | <LOQ          |       | Isopulegol                              | 0.002   | <LOQ          |     |
| alpha-Terpinene              | 0.002   | <LOQ          |       | Linalool                                | 0.002   | <LOQ          |     |
| beta-Myrcene                 | 0.002   | <LOQ          |       | Nerol                                   | 0.002   | <LOQ          |     |
| beta-Pinene                  | 0.002   | <LOQ          |       | Ocimene                                 | 0.00033 | <LOQ          |     |
| Borneol                      | 0.004   | <LOQ          |       | Pulegone                                | 0.002   | <LOQ          |     |
| Camphene                     | 0.002   | <LOQ          |       | Sabinene                                | 0.002   | <LOQ          |     |
| Camphors                     | 0.006   | <LOQ          |       | Sabinene Hydrate                        | 0.002   | <LOQ          |     |
| Caryophyllene oxide          | 0.002   | <LOQ          |       | Terpinolene                             | 0.002   | <LOQ          |     |
| cis-Nerolidol                | 0.002   | <LOQ          |       | Total Terpeneol                         | 0.00126 | <LOQ          |     |
| Eucalyptol                   | 0.002   | <LOQ          |       | trans-Nerolidol                         | 0.002   | <LOQ          |     |
| Farnesene                    | 0.002   | <LOQ          |       | Valencene                               | 0.002   | <LOQ          |     |

| PCR Total Yeast and Mold    |             | Passed               |                |
|-----------------------------|-------------|----------------------|----------------|
| Specimen Weight: 521.400 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           |

|                                                                                                                                                                               |  |                      |                |                                                         |  |                      |                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|----------------|---------------------------------------------------------|--|----------------------|----------------|
| <div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div>Pathogenic SAE (qPCR) FL</div><div>Specimen Weight: 1038.000 mg</div></div></div> |  |                      |                | <div><div>Passed</div><div>SOP13.029 (qPCR)</div></div> |  |                      |                |
| 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  |                                                         |  |                      |                |

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

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Unit 101  
Bunnell, Florida 32110

**Manufacturing Facility:**

RA Royal  
41 enterprise dr  
Unit 101  
Bunnell, Florida 32110  
Production Date: 2025-07-27

**Batch Data:**

Batch # 252807206  
Batch Date: 2025-07-28  
Extracted From: Hemp

**Order Details:**

Test Reg State: Florida  
Food Permit #: 397102

**Order #**

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY498

**Sampling Date:** 2025-07-31

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

**Initial Gross Weight:** 197.700  
g

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

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



### Heavy Metals Florida

Specimen Weight: 253.300 mg

**Passed**  
SOP13.048 (ICP-MS)

Dilution Factor: 197.394

| 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

Specimen Weight: 608.700 mg

**Passed**  
SOP13.007 (LCMS/GCMS)

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 | 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         |              |           |           |                    |              |



### Residual Solvents - FL (CBD)

Specimen Weight: 18.600 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         |                    |           |           |                    |              |

Aixa Sun

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



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Unit 101  
Bunnell, Florida 32110

## Manufacturing Facility:

RA Royal  
41 enterprise dr  
Unit 101  
Bunnell, Florida 32110  
Production Date: 2025-07-27

## Batch Data:

Batch # 252807206  
Batch Date: 2025-07-28  
Extracted From: Hemp

## Order Details:

Test Reg State: Florida  
Food Permit #: 397102

## Order #

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY498

## Sampling Date: 2025-07-31

Lab Batch Date: 2025-07-31  
Completion Date: 2025-08-07Initial Gross Weight: 197.700  
gNet Weight per Package:  
150000.000 mg  
Sampling Method:  
MSP 7.3.1Net Weight per Serving:  
5000 mg  
Servings Per Package:  
30

## Pesticides Florida

Specimen Weight: 608.700 mg

Passed

SOP13.007 (LCMS/GCMS)

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            | 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         | Paclobutrazol           | 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         |
| Flonicamid           | 0.517     | 30        | 2000               | <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  
Bunnell, Florida 32110

**Manufacturing Facility:**

RA Royal  
41 enterprise dr  
Unit 101  
Bunnell, Florida 32110  
Production Date: 2025-07-27

**Batch Data:**

Batch # 252807201  
Batch Date: 2025-07-28  
Extracted From: Hemp

**Order Details:**

Test Reg State: Florida  
Food Permit #: 397102

**Order #**

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY499

**Sampling Date:** 2025-07-31

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

**Initial Gross Weight:** 194.000  
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



Residual Solvents  
Passed



**Terpenes**  
Tested



Pathogenic  
Passed



**Heavy Metals**  
Passed



Microbiology (qPCR)  
Passed



**Mycotoxins**  
Passed



**Pesticides**  
Passed

### Potency Summary

|                           |                |                         |                |
|---------------------------|----------------|-------------------------|----------------|
| <b>Delta 9 THC</b>        | <b>0.184%</b>  | <b>Total Active CBD</b> | <b>0.118%</b>  |
| per Serving               | 9.20 mg        | per Serving             | 5.90 mg        |
| per Package               | 276 mg         | per Package             | 177 mg         |
| <b>Total CBG</b>          | <b>&lt;LOQ</b> | <b>Total CBN</b>        | <b>&lt;LOQ</b> |
| per Serving               | 0.00 mg        | per Serving             | 0.00 mg        |
| per Package               | 0.00 mg        | per Package             | 0.00 mg        |
| <b>Total Cannabinoids</b> | <b>0.574%</b>  | <b>Total Active THC</b> | <b>0.184%</b>  |
| per Serving               | 27.9 mg        | per Serving             | 9.20 mg        |
| per Package               | 838 mg         | per Package             | 276 mg         |



### Terpenes Summary

| Analyte             | Result (mg/g) | (%)    |
|---------------------|---------------|--------|
| (R)-(+)-Limonene    | 0.054         | 0.005% |
| alpha-Bisabolol     | 0.052         | 0.005% |
| trans-Caryophyllene | 0.039         | 0.004% |

**Total Terpenes: 0.014%**

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, (ug/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (ug/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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Compliance Test

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**RA Royal**  
41 enterprise dr  
Unit 101  
Bunnell, Florida 32110

**Manufacturing Facility:**

RA Royal  
41 enterprise dr  
Unit 101  
Bunnell, Florida 32110  
Production Date: 2025-07-27

**Batch Data:**

Batch # 252807201  
Batch Date: 2025-07-28  
Extracted From: Hemp

**Order Details:**

Test Reg State: Florida  
Food Permit #: 397102

**Order #**

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY499

**Sampling Date:** 2025-07-31

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

**Initial Gross Weight:** 194.000  
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 11 (LCUV) + Potency 25 (LCUV)

Specimen Weight: 1547.900 mg

Tested

SOP13.001 (LCUV)

Pieces For Panel: 30

| Analyte               | Dilution<br>(1:n) | LOD<br>(mg/g) | LOQ<br>(%) | Result<br>(mg/g) | (%)     | Per Serving<br>(mg) | Per Package<br>(mg) |
|-----------------------|-------------------|---------------|------------|------------------|---------|---------------------|---------------------|
| Delta9-THCP           | 100.000           | 1.170000E-5   | 0.0012     | 2.28             | 0.228   | 11.4                | 342                 |
| Delta-9 THC           | 10.000            | 1.300000E-5   | 0.0015     | 1.84             | 0.184   | 9.20                | 276                 |
| CBD                   | 10.000            | 5.400000E-5   | 0.0015     | 1.18             | 0.118   | 5.90                | 177                 |
| CBT                   | 10.000            | 2.000000E-4   | 0.0015     | 0.242            | 0.0242  | 1.21                | 36.3                |
| CBDV                  | 10.000            | 6.500000E-5   | 0.0015     | 0.0300           | 0.00300 | 0.150               | 4.50                |
| Delta-8 THC           | 10.000            | 2.600000E-5   | 0.0015     | 0.0300           | 0.00300 | 0.150               | 4.50                |
| Delta8-THCP           | 10.000            | 3.750000E-4   | 0.0015     | 0.0299           | 0.00300 | 0.150               | 4.49                |
| CBC                   | 10.000            | 1.800000E-5   | 0.0015     | 0.0200           | 0.00200 | 0.100               | 3.00                |
| CBG                   | 10.000            | 2.480000E-4   | 0.0015     | 0.0200           | 0.00200 | 0.100               | 3.00                |
| CBN                   | 10.000            | 1.400000E-5   | 0.0015     | 0.0200           | 0.00200 | 0.100               | 3.00                |
| THCV                  | 10.000            | 7.000000E-6   | 0.0015     | 0.0200           | 0.00200 | 0.100               | 3.00                |
| CBL                   | 10.000            | 3.500000E-5   | 0.0015     | 0.0152           | 0.00150 | 0.0760              | 2.28                |
| Delta-8 THCV          | 10.000            | 4.000000E-5   | 0.0015     | 0.00106          | 0.00106 | 0.00529             | 0.159               |
| CBDA                  | 10.000            | 1.000000E-5   | 0.0015     | <LOQ             | <LOQ    | 0.00                | 0.00                |
| CBGA                  | 10.000            | 8.000000E-5   | 0.0015     | <LOQ             | <LOQ    | 0.00                | 0.00                |
| THCA-A                | 10.000            | 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                |
| 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      | 10.000            |               |            | 1.84             | 0.184   | 9.20                | 276                 |
| Total Active CBD      | 10.000            |               |            | 1.18             | 0.118   | 5.90                | 177                 |

*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

## Manufacturing Facility:

RA Royal  
41 enterprise dr  
Unit 101  
Bunnell, Florida 32110  
Production Date: 2025-07-27

## Batch Data:

Batch # 252807201  
Batch Date: 2025-07-28  
Extracted From: Hemp

## Order Details:

Test Reg State: Florida  
Food Permit #: 397102

## Order #

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY499

## Sampling Date: 2025-07-31

Lab Batch Date: 2025-07-31  
Completion Date: 2025-08-07Initial Gross Weight: 194.000  
gNet Weight per Package:  
150000.000 mg  
Sampling Method:  
MSP 7.3.1Net Weight per Serving:  
5000 mg  
Servings Per Package:  
30

| Terpenes                     |         |               |       | Tested                                  |         |               |     |
|------------------------------|---------|---------------|-------|-----------------------------------------|---------|---------------|-----|
| Specimen Weight: 1547.900 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   | 0.0540        | 0.005 | Fenchone                                | 0.002   | <LOQ          |     |
| alpha-Bisabolol              | 0.002   | 0.0520        | 0.005 | Fenchyl Alcohol                         | 0.002   | <LOQ          |     |
| trans-Caryophyllene          | 0.002   | 0.0390        | 0.004 | Gamma-Terpinene                         | 0.002   | <LOQ          |     |
| (+)-Cedrol                   | 0.002   | <LOQ          |       | Geraniol                                | 0.002   | <LOQ          |     |
| 3-Carene                     | 0.002   | <LOQ          |       | Geranyl acetate                         | 0.002   | <LOQ          |     |
| alpha-Cedrene                | 0.002   | <LOQ          |       | Guaial                                  | 0.002   | <LOQ          |     |
| alpha-Humulene               | 0.002   | <LOQ          |       | Hexahydrothymol                         | 0.002   | <LOQ          |     |
| alpha-Phellandrene           | 0.002   | <LOQ          |       | Isoborneol                              | 0.002   | <LOQ          |     |
| alpha-Pinene                 | 0.002   | <LOQ          |       | Isopulegol                              | 0.002   | <LOQ          |     |
| alpha-Terpinene              | 0.002   | <LOQ          |       | Linalool                                | 0.002   | <LOQ          |     |
| beta-Myrcene                 | 0.002   | <LOQ          |       | Nerol                                   | 0.002   | <LOQ          |     |
| beta-Pinene                  | 0.002   | <LOQ          |       | Ocimene                                 | 0.00033 | <LOQ          |     |
| Borneol                      | 0.004   | <LOQ          |       | Pulegone                                | 0.002   | <LOQ          |     |
| Camphene                     | 0.002   | <LOQ          |       | Sabinene                                | 0.002   | <LOQ          |     |
| Camphors                     | 0.006   | <LOQ          |       | Sabinene Hydrate                        | 0.002   | <LOQ          |     |
| Caryophyllene oxide          | 0.002   | <LOQ          |       | Terpinolene                             | 0.002   | <LOQ          |     |
| cis-Nerolidol                | 0.002   | <LOQ          |       | Total Terpeneol                         | 0.00126 | <LOQ          |     |
| Eucalyptol                   | 0.002   | <LOQ          |       | trans-Nerolidol                         | 0.002   | <LOQ          |     |
| Farnesene                    | 0.002   | <LOQ          |       | Valencene                               | 0.002   | <LOQ          |     |

| PCR Total Yeast and Mold    |             | Passed               |                |
|-----------------------------|-------------|----------------------|----------------|
| Specimen Weight: 508.700 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: 1026.600 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  |                                      |                  |                      |                |

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

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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: 2025-07-27

**Batch Data:**

Batch # 252807201  
Batch Date: 2025-07-28  
Extracted From: Hemp

**Order Details:**

Test Reg State: Florida  
Food Permit #: 397102

**Order #**

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY499

**Sampling Date:** 2025-07-31

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

**Initial Gross Weight:** 194.000  
g

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

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



**Heavy Metals Florida**

Specimen Weight: 249.500 mg

**Passed**  
SOP13.048 (ICP-MS)

Dilution Factor: 200.401

| 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**

Specimen Weight: 611.800 mg

**Passed**  
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         |              |           |           |                    |              |



**Residual Solvents - FL (CBD)**

Specimen Weight: 16.800 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                | 15.0         | 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         |                    |           |           |                    |              |

Aixa 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

## Manufacturing Facility:

RA Royal  
41 enterprise dr  
Unit 101  
Bunnell, Florida 32110  
Production Date: 2025-07-27

## Batch Data:

Batch # 252807201  
Batch Date: 2025-07-28  
Extracted From: Hemp

## Order Details:

Test Reg State: Florida  
Food Permit #: 397102

## Order #

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY499

## Sampling Date: 2025-07-31

Lab Batch Date: 2025-07-31  
Completion Date: 2025-08-07Initial Gross Weight: 194.000  
gNet Weight per Package:  
150000.000 mg  
Sampling Method:  
MSP 7.3.1Net Weight per Serving:  
5000 mg  
Servings Per Package:  
30

## Pesticides Florida

Specimen Weight: 611.800 mg

Passed

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) |
|----------------------|-----------|-----------|--------------------|--------------|-------------------------|-----------|-----------|--------------------|--------------|
| 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         | Paclobutrazol           | 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         |
| Flonicamid           | 0.517     | 30        | 2000               | <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

Bunnell, Florida 32110

Order # RAR250331-020001

Order Date: 2025-03-31

Sample # AAG0188

Batch # 0324259054  
Batch Date: 2025-03-25  
Extracted From: Hemp

Test Reg State: Georgia

Sampling Date: 2025-04-03  
Lab Batch Date: 2025-04-03  
Completion Date: 2025-04-17

Initial Gross Weight: 208.100 g  
Net Weight: 150.000 g

Number of Units: 1  
Net Weight per Unit: 5000.000 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 and Foreign  
Passed**

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

Specimen Weight: 202.300 mg

Pieces For Panel: 30

| Analyte               | Dilution<br>(1:n) | LOD<br>(mg/g) | LOQ<br>(%) | Result<br>(mg/g) | (%)     |
|-----------------------|-------------------|---------------|------------|------------------|---------|
| CBD                   | 10.000            | 5.40E-5       | 0.0015     | 3.8800           | 0.3880  |
| Delta9-THCP *         | 10.000            | 1.17E-5       | 0.0012     | 2.2620           | 0.2262  |
| Delta-8 THC           | 10.000            | 2.60E-5       | 0.0015     | 0.6900           | 0.0690  |
| Delta-9 THC           | 10.000            | 2.80E-4       | 0.075      | 0.0511           | 0.0511  |
| CBT                   | 10.000            | 2.00E-4       | 0.0015     | 0.1549           | 0.0155  |
| CBC                   | 10.000            | 2.76E-5       | 0.075      | 0.00304          | 0.00304 |
| 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    |
| CBN                   | 10.000            | 1.40E-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    |
| 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    |
| Delta-8 THCV          | 10.000            | 4.00E-5       | 0.0015     | <LOQ             | <LOQ    |
| Delta8-THCP *         | 10.000            | 3.75E-4       | 0.0015     | <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            |               |            | 3.880            | 0.388   |
| Total Active THC      | 10.000            |               |            | 0.511            | 0.051   |

### Tested

SOP13.001 (LCUV)



### Potency Summary

|                                    |                                        |
|------------------------------------|----------------------------------------|
| Total HHC<br>None Detected         | Total Active THC<br>0.051% 2.55 mg     |
| Total Active CBD<br>0.388% 19.4 mg | Total CBG<br>None Detected             |
| Total CBN<br>None Detected         | Total Cannabinoids<br>0.753% 37.642 mg |

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

*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.  
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## Certificate of Analysis

Compliance Test

### Client Information:

**RA Royal**  
41 enterprise dr  
Unit 101

Bunnell, Florida 32110

Order # RAR250331-020001

Order Date: 2025-03-31

Sample # AAGO188

Batch # 0324259054

Batch Date: 2025-03-25

Extracted From: Hemp

Test Reg State: Georgia

Sampling Date: 2025-04-03

Lab Batch Date: 2025-04-03

Completion Date: 2025-04-17

Initial Gross Weight: 208.100 g

Net Weight: 150.000 g

Number of Units: 1

Net Weight per Unit: 5000.000 mg

Sampling Method: MSP 7.3.1



### Microbiology Pathogenic AE qPCR - (GA)

Specimen Weight: 1025.400 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: 1005.500 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)



### Filtration and Foreign Material - (GA)

Net Weight: 150.000 g

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)

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## Certificate of Analysis

Compliance Test

**Client Information:**

**RA Royal**  
41 enterprise dr  
Unit 101

Batch # 0324259054  
Batch Date: 2025-03-25  
Extracted From: Hemp

Test Reg State: Georgia

Bunnell, Florida 32110

Order # RAR250331-020001

Order Date: 2025-03-31

Sample # AAG0188

Sampling Date: 2025-04-03  
Lab Batch Date: 2025-04-03  
Completion Date: 2025-04-17

Initial Gross Weight: 208.100 g  
Net Weight: 150.000 g

Number of Units: 1  
Net Weight per Unit: 5000.000 mg  
Sampling Method: MSP 7.3.1



### Heavy Metals - (GA) (Edible)

Specimen Weight: 249.800 mg

**Passed**  
SOP13.048 (ICP-MS)

Dilution Factor: 200.160

| 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: 15.600 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: 597.300 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         |              |           |           |                    |              |

Aixa 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

Order # RAR250331-020001

Order Date: 2025-03-31

Sample # AAGO188

Batch # 0324259054  
Batch Date: 2025-03-25  
Extracted From: Hemp

Test Reg State: Georgia

Sampling Date: 2025-04-03  
Lab Batch Date: 2025-04-03  
Completion Date: 2025-04-17

Initial Gross Weight: 208.100 g  
Net Weight: 150.000 g

Number of Units: 1  
Net Weight per Unit: 5000.000 mg  
Sampling Method: MSP 7.3.1

**HHCP**

Specimen Weight: 202.300 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   | <LOQ          | <LOQ CBC                      | 2.760000E-5 | 0.075   | <LOQ          | <LOQ |
| (9S)-HHC           | 6.6000E-6   | 0.075   | <LOQ          | <LOQ 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   | <LOQ          | <LOQ |
| 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

Order # RAR250331-020001

Order Date: 2025-03-31

Sample # AAG0188

Batch # 0324259054  
Batch Date: 2025-03-25  
Extracted From: Hemp

Test Reg State: Georgia

Sampling Date: 2025-04-03  
Lab Batch Date: 2025-04-03  
Completion Date: 2025-04-17

Initial Gross Weight: 208.100 g  
Net Weight: 150.000 g

Number of Units: 1  
Net Weight per Unit: 5000.000 mg  
Sampling Method: MSP 7.3.1

**Pesticides - (GA)**  
Specimen Weight: 597.300 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         | Metaxyl           | 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         | Paclobutrazol     | 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         |                   |           |           |                    |              |

  
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

**Manufacturing Facility:**

RA Royal  
41 enterprise dr  
Unit 101  
Bunnell, Florida 32110  
Production Date: 2025-07-27

**Batch Data:**

Batch # 252807212  
Batch Date: 2025-07-28  
Extracted From: Hemp

**Order Details:**

Test Reg State: Florida  
Food Permit #: 397102

**Order #**

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY501

**Sampling Date:** 2025-07-31

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

**Initial Gross Weight:** 195.500

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

**Statement of Amendment: Updated Potency; Primary**



Product Image



**Potency  
Tested**



**Terpenes  
Tested**



**Heavy Metals  
Passed**



**Mycotoxins  
Passed**



**Pesticides  
Passed**



**Residual Solvents  
Passed**



**Pathogenic  
Passed**



**Microbiology (qPCR)  
Passed**



### Potency Summary

|                           |                |                         |                |
|---------------------------|----------------|-------------------------|----------------|
| <b>Delta 9 THC</b>        | <b>0.168%</b>  | <b>Total Active CBD</b> | <b>0.108%</b>  |
| per Serving               | 8.40 mg        | per Serving             | 5.40 mg        |
| per Package               | 252 mg         | per Package             | 162 mg         |
| <b>Total CBG</b>          | <b>&lt;LOQ</b> | <b>Total CBN</b>        | <b>&lt;LOQ</b> |
| per Serving               | 0.00 mg        | per Serving             | 0.00 mg        |
| per Package               | 0.00 mg        | per Package             | 0.00 mg        |
| <b>Total Cannabinoids</b> | <b>0.528%</b>  | <b>Total Active THC</b> | <b>0.168%</b>  |
| per Serving               | 25.6 mg        | per Serving             | 8.40 mg        |
| per Package               | 769 mg         | per Package             | 252 mg         |



### Terpenes Summary

| Analyte          | Result (mg/g) | (%)    |
|------------------|---------------|--------|
| Linalool         | 0.098         | 0.01%  |
| (R)-(+)-Limonene | 0.051         | 0.005% |
| alpha-Bisabolol  | 0.046         | 0.005% |

**Total Terpenes: 0.020%**

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 = 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. 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. 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  
Bunnell, Florida 32110

**Manufacturing Facility:**

RA Royal  
41 enterprise dr  
Unit 101  
Bunnell, Florida 32110  
Production Date: 2025-07-27

**Batch Data:**

Batch # 252807212  
Batch Date: 2025-07-28  
Extracted From: Hemp

**Order Details:**

Test Reg State: Florida  
Food Permit #: 397102

**Order #**

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY501

**Sampling Date:** 2025-07-31

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

**Initial Gross Weight:** 195.500

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 11 (LCUV) + Potency 25 (LCUV)

Specimen Weight: 1531.800 mg

Tested

SOP13.001 (LCUV)

Pieces For Panel: 30

| Analyte               | Dilution (1:n) | LOD (mg/g)  | LOQ (%) | Result (mg/g) | (%)     | Per Serving (mg) | Per Package (mg) |
|-----------------------|----------------|-------------|---------|---------------|---------|------------------|------------------|
| Delta9-THCP           | 100.000        | 1.170000E-5 | 0.0012  | 2.12          | 0.212   | 10.6             | 318              |
| Delta-9 THC           | 10.000         | 1.300000E-5 | 0.0015  | 1.68          | 0.168   | 8.40             | 252              |
| CBD                   | 10.000         | 5.400000E-5 | 0.0015  | 1.08          | 0.108   | 5.40             | 162              |
| CBT                   | 10.000         | 2.000000E-4 | 0.0015  | 0.221         | 0.0221  | 1.10             | 33.1             |
| CBDV                  | 10.000         | 6.500000E-5 | 0.0015  | 0.0300        | 0.00300 | 0.150            | 4.50             |
| Delta8-THCP           | 10.000         | 3.750000E-4 | 0.0015  | 0.0283        | 0.00280 | 0.142            | 4.25             |
| CBC                   | 10.000         | 1.800000E-5 | 0.0015  | 0.0200        | 0.00200 | 0.100            | 3.00             |
| CBG                   | 10.000         | 2.480000E-4 | 0.0015  | 0.0200        | 0.00200 | 0.100            | 3.00             |
| CBN                   | 10.000         | 1.400000E-5 | 0.0015  | 0.0200        | 0.00200 | 0.100            | 3.00             |
| Delta-8 THC           | 10.000         | 2.600000E-5 | 0.0015  | 0.0200        | 0.00200 | 0.100            | 3.00             |
| Delta-8 THCv          | 10.000         | 4.000000E-5 | 0.0015  | 0.00135       | 0.00135 | 0.00676          | 0.203            |
| CBL                   | 10.000         | 3.500000E-5 | 0.0015  | 0.00130       | 0.00130 | 0.00649          | 0.195            |
| THCV                  | 10.000         | 7.000000E-6 | 0.0015  | 0.00100       | 0.00100 | 0.00500          | 0.150            |
| CBDA                  | 10.000         | 1.000000E-5 | 0.0015  | <LOQ          | <LOQ    | 0.00             | 0.00             |
| CBGA                  | 10.000         | 8.000000E-5 | 0.0015  | <LOQ          | <LOQ    | 0.00             | 0.00             |
| THCA-A                | 10.000         | 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             |
| 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      | 10.000         |             |         | 1.68          | 0.168   | 8.40             | 252              |
| Total Active CBD      | 10.000         |             |         | 1.08          | 0.108   | 5.40             | 162              |

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

**Manufacturing Facility:**

RA Royal  
41 enterprise dr  
Unit 101  
Bunnell, Florida 32110  
Production Date: 2025-07-27

**Batch Data:**

Batch # 252807212  
Batch Date: 2025-07-28  
Extracted From: Hemp

**Order Details:**

Test Reg State: Florida  
Food Permit #: 397102

**Order #**

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY501

**Sampling Date:** 2025-07-31

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

**Initial Gross Weight:** 195.500 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

| Terpenes                     |         |               |       | Tested                                  |         |               |     |
|------------------------------|---------|---------------|-------|-----------------------------------------|---------|---------------|-----|
| Specimen Weight: 1531.800 mg |         |               |       | SOP13.045 (GC-MS/GC (Liquid Injection)) |         |               |     |
| Dilution Factor: 20.000      |         |               |       |                                         |         |               |     |
| Analyte                      | LOQ (%) | Result (mg/g) | (%)   | Analyte                                 | LOQ (%) | Result (mg/g) | (%) |
| Linalool                     | 0.002   | 0.0980        | 0.010 | Fenchone                                | 0.002   | <LOQ          |     |
| (R)-(+)-Limonene             | 0.002   | 0.0510        | 0.005 | Fenchyl Alcohol                         | 0.002   | <LOQ          |     |
| alpha-Bisabolol              | 0.002   | 0.0460        | 0.005 | Gamma-Terpinene                         | 0.002   | <LOQ          |     |
| (+)-Cedrol                   | 0.002   | <LOQ          |       | Geraniol                                | 0.002   | <LOQ          |     |
| 3-Carene                     | 0.002   | <LOQ          |       | Geranyl acetate                         | 0.002   | <LOQ          |     |
| alpha-Cedrene                | 0.002   | <LOQ          |       | Guaial                                  | 0.002   | <LOQ          |     |
| alpha-Humulene               | 0.002   | <LOQ          |       | Hexahydrothymol                         | 0.002   | <LOQ          |     |
| alpha-Phellandrene           | 0.002   | <LOQ          |       | Isoborneol                              | 0.002   | <LOQ          |     |
| alpha-Pinene                 | 0.002   | <LOQ          |       | Isopulegol                              | 0.002   | <LOQ          |     |
| alpha-Terpinene              | 0.002   | <LOQ          |       | Nerol                                   | 0.002   | <LOQ          |     |
| beta-Myrcene                 | 0.002   | <LOQ          |       | Ocimene                                 | 0.00033 | <LOQ          |     |
| beta-Pinene                  | 0.002   | <LOQ          |       | Pulegone                                | 0.002   | <LOQ          |     |
| Borneol                      | 0.004   | <LOQ          |       | Sabinene                                | 0.002   | <LOQ          |     |
| Camphene                     | 0.002   | <LOQ          |       | Sabinene Hydrate                        | 0.002   | <LOQ          |     |
| Camphors                     | 0.006   | <LOQ          |       | Terpinolene                             | 0.002   | <LOQ          |     |
| Caryophyllene oxide          | 0.002   | <LOQ          |       | Total Terpineol                         | 0.00126 | <LOQ          |     |
| cis-Nerolidol                | 0.002   | <LOQ          |       | trans-Caryophyllene                     | 0.002   | <LOQ          |     |
| Eucalyptol                   | 0.002   | <LOQ          |       | trans-Nerolidol                         | 0.002   | <LOQ          |     |
| Farnesene                    | 0.002   | <LOQ          |       | Valencene                               | 0.002   | <LOQ          |     |

| PCR Total Yeast and Mold    |             |                      |                | Passed           |  |
|-----------------------------|-------------|----------------------|----------------|------------------|--|
| Specimen Weight: 502.200 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: 1048.300 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  |                                      |                      |                |                  |  |

Aixa 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

**Manufacturing Facility:**

RA Royal  
41 enterprise dr  
Unit 101  
Bunnell, Florida 32110  
Production Date: 2025-07-27

**Batch Data:**

Batch # 252807212  
Batch Date: 2025-07-28  
Extracted From: Hemp

**Order Details:**

Test Reg State: Florida  
Food Permit #: 397102

**Order #**

RAR250729-100001  
Order Date: 2025-07-29  
Sample # AAGY501

**Sampling Date:** 2025-07-31

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

**Initial Gross Weight:** 195.500

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



**Heavy Metals Florida**

Specimen Weight: 251.000 mg

**Passed**

SOP13.048 (ICP-MS)

Dilution Factor: 199.203

| 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**

Specimen Weight: 588.200 mg

**Passed**

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         |              |           |           |                    |              |



**Residual Solvents - FL (CBD)**

Specimen Weight: 15.000 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               | 33.4         | Toluene            | 0.001     | 29.2      | 150                | <LOQ         |
| Ethyl Acetate      | 0.001     | 11.1      | 400                | 14.7         | 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         |                    |           |           |                    |              |

Aixa 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

## Manufacturing Facility:

RA Royal

41 enterprise dr

Unit 101

Bunnell, Florida 32110

Production Date: 2025-07-27

## Batch Data:

Batch # 252807212

Batch Date: 2025-07-28

Extracted From: Hemp

## Order Details:

Test Reg State: Florida

Food Permit #: 397102

## Order #

RAR250729-100001

Order Date: 2025-07-29

Sample # AAGY501

## Sampling Date: 2025-07-31

Lab Batch Date: 2025-07-31

Orig. Completion Date: 2025-08-07

## Initial Gross Weight: 195.500

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



## Pesticides Florida

Specimen Weight: 588.200 mg

Passed

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) |
|----------------------|-----------|-----------|--------------------|--------------|-------------------------|-----------|-----------|--------------------|--------------|
| 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         | Metaxalyl               | 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         | Paclobutrazol           | 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         |
| Flonicamid           | 0.517     | 30        | 2000               | <LOQ         |                         |           |           |                    |              |

Aixia Sun Lab Director/Principal Scientist

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