

|                                                                                   |                                                    |                               |
|-----------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------|
|  | <b>Dr. Fossum's Medium Dog Tincture FOS002 COA</b> |                               |
|                                                                                   | Document Number: COA-044                           | Approval Date:<br>22 Mar 2023 |
|                                                                                   | Version Number: 4.0                                | Page 1 of 7                   |

### **Certificate of Analysis**

| <b>Product Identification</b> |                                              |
|-------------------------------|----------------------------------------------|
| Item Number/Spec Number       | FOS002 / SPEC-FP-0013                        |
| Batch Number                  | VH25-009                                     |
| Sample ID                     | RS24-0046                                    |
| Description                   | Dr. Fossum's Rejuvenator Medium Dog Tincture |
| Supplier                      | Vantage Hemp                                 |

| <b>Final Product Specification Conformance Summary</b> |                                                                                                                                                                                                               |
|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specification</b>                                   | <b>Results</b>                                                                                                                                                                                                |
| Physical Properties:                                   | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass for processing ONLY                                                                                      |
| Cannabinoids:                                          | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass for processing ONLY                                                                                      |
| Microbials:                                            | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass for processing ONLY                                                                                      |
| Mycotoxins:                                            | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass for processing ONLY                                                                                      |
| Residual Solvents                                      | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass for processing ONLY                                                                                      |
| Heavy Metals                                           | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass for processing ONLY                                                                                      |
| Pesticides:                                            | <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass for processing ONLY                                                                                      |
| Approved for:                                          | <input checked="" type="checkbox"/> Inventory (processing and/or distribution)<br><input type="checkbox"/> Processing ONLY<br><input type="checkbox"/> Rejected / Out of Specification see UDEV#: ____N/A____ |
| Comments:                                              | <input checked="" type="checkbox"/> N/A                                                                                                                                                                       |

|                                                                                   |                                                    |                               |
|-----------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------|
|  | <b>Dr. Fossum's Medium Dog Tincture FOS002 COA</b> |                               |
|                                                                                   | Document Number: COA-044                           | Approval Date:<br>22 Mar 2023 |
|                                                                                   | Version Number: 4.0                                | Page 2 of 7                   |

| PHYSICAL PROPERTIES       |                                |                              |
|---------------------------|--------------------------------|------------------------------|
| <b>METHOD: SOP-QA-013</b> |                                |                              |
| CHARACTERISTIC            | SPECIFICATIONS                 | RESULTS                      |
| Consistency               | Liquid                         | Liquid                       |
| Color                     | Translucent, yellow to amber   | Translucent, yellow to amber |
| Foreign Materials         | Free of foreign materials      | Free of foreign materials    |
| Smell                     | Light fragrance, earthy smell. | Light fragrance              |

| CANNABINOID PROFILE       |              |                               |                        |             |             |             |
|---------------------------|--------------|-------------------------------|------------------------|-------------|-------------|-------------|
| METHOD: MF12D012 (LC-DAD) |              |                               | LOD: 0.027%            | LOQ: 0.08%  |             |             |
| SUBSTANCE:                |              | SPECIFICATION (REPORT mg/ml): | RESULTS (REPORT mg/ml) |             |             |             |
|                           |              |                               | RS25-0044              | RS25-0045   | RS25-0046   | RS25-0047   |
| CBD                       | Cannabidiol  | 11.25 mg/ml +/- 10%           | 10.97 mg/mL            | 10.68 mg/mL | 10.81 mg/mL | 10.65 mg/mL |
| THC                       | Total THC    | <LOQ                          | ND                     | ND          | ND          | ND          |
| CBG                       | Cannabigerol | 11.25 mg/ml +/- 10%           | 10.40 mg/mL            | 10.39 mg/mL | 10.46 mg/mL | 10.81 mg/mL |
| CBN                       | Cannabinol   | 2.5 mg/ml +/- 10%             | 2.32 mg/mL             | 2.34 mg/mL  | 2.33 mg/mL  | 2.35 mg/mL  |

| MICROBIALS                                              |                   |                         |         |
|---------------------------------------------------------|-------------------|-------------------------|---------|
| SUBSTANCE                                               | METHOD            | ACTION LIMITS           | RESULTS |
| Salmonella spp.                                         | AOAC 2016.01      | Absent in 25 g          | Absent  |
| –Shiga-toxin producing Escherichia coli (STEC) Bacteria | 3M MDS STEC / EAE | Absent in 25 g          | Absent  |
| Total coliforms                                         | FDA BAM- ECC AGAR | < 10 <sup>2</sup> cfu/g | <10 CFU |
| Total aerobic plate count                               | FDA BAM           | < 10 <sup>2</sup> cfu/g | <10 CFU |
| Total yeast and mold                                    | AOAC 2016.01      | < 10 <sup>2</sup> cfu/g | <10 CFU |

|                                                                                   |                                                    |                               |
|-----------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------|
|  | <b>Dr. Fossum's Medium Dog Tincture FOS002 COA</b> |                               |
|                                                                                   | Document Number: COA-044                           | Approval Date:<br>22 Mar 2023 |
|                                                                                   | Version Number: 4.0                                | Page 3 of 7                   |

| MYCOTOXIN PANEL                           |                                   |         |
|-------------------------------------------|-----------------------------------|---------|
| METHOD: MF-CHEM-13: (LC-MS/MS) (GC-MS/MS) |                                   |         |
| SUBSTANCE                                 | SPECIFICATION (PPB)               | RESULTS |
| Aflatoxins (B1, B2, G1, and G2)           | < 20 (total of B1 + B2 + G1 + G2) | ND      |
| Aflatoxin B1                              | < 5                               | ND      |
| Ochratoxin                                | < 5                               | ND      |

| RESIDUAL SOLVENT PANEL          |                     |         |
|---------------------------------|---------------------|---------|
| METHOD: USP OVI <467> (GC/MS)   |                     |         |
| SUBSTANCE                       | SPECIFICATION (PPM) | RESULTS |
| Acetone                         | ND                  | ND      |
| Benzene                         | ND                  | ND      |
| Butanes                         | ND                  | ND      |
| Ethanol                         | ND                  | ND      |
| Ethyl Acetate                   | ND                  | ND      |
| Heptanes                        | ND                  | ND      |
| Hexane                          | ND                  | ND      |
| Isopropyl Alcohol               | ND                  | ND      |
| Methanol                        | ND                  | ND      |
| Pentane                         | ND                  | ND      |
| Propane                         | ND                  | ND      |
| Toluene                         | ND                  | ND      |
| Total Xylenes (m, p, o-xylenes) | ND                  | ND      |

|                                                                                   |                                                    |                               |
|-----------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------|
|  | <b>Dr. Fossum's Medium Dog Tincture FOS002 COA</b> |                               |
|                                                                                   | Document Number: COA-044                           | Approval Date:<br>22 Mar 2023 |
|                                                                                   | Version Number: 4.0                                | Page 4 of 7                   |

| HEAVY METALS PANEL          |                     |         |
|-----------------------------|---------------------|---------|
| METHOD: MF 24E020 :(ICP-MS) |                     |         |
| SUBSTANCE                   | SPECIFICATION (PPM) | RESULTS |
| Arsenic                     | < 1.5               | ND      |
| Cadmium                     | < 0.5               | ND      |
| Lead                        | < 0.5               | ND      |
| Mercury                     | < 1.5               | ND      |

| Pesticide Panel                    |       |         |                    |       |         |
|------------------------------------|-------|---------|--------------------|-------|---------|
| Method: MF-CHEM-13 (GC-MS/MS)      |       |         |                    |       |         |
| ALL ANALYTES MUST BE LESS THAN LOQ |       |         |                    |       |         |
| Substance                          | LOQ   | RESULTS | Substance          | LOQ   | RESULTS |
| Abamectin /<br>Avermectin B1a      | 0.25  | ND      | Deltamethrin       | 0.50* | ND      |
| Acephate                           | 0.05  | ND      | Diazinon           | 0.02* | ND      |
| Acequinocyl                        | 0.03* | ND      | Dichlorvos         | 0.05  | ND      |
| Acetamiprid                        | 0.05  | ND      | Dimethoate         | 0.01  | ND      |
| Aldicarb                           | 0.50  | ND      | Dimethomorph       | 0.05* | ND      |
| Allethrin                          | 0.10  | ND      | Dinotefuran        | 0.05  | ND      |
| Atrazine                           | .025* | ND      | Diuron             | 0.05* | ND      |
| Azadirachtin                       | 0.50  | ND      | Dodemorph          | 0.05* | ND      |
| Azoxystrobin                       | 0.01  | ND      | Endosulfan sulfate | 2.50  | ND      |
| Benzovindiflupyr                   | 0.01  | ND      | Endosulfan-alpha   | 2.50  | ND      |
| Bifenazate                         | 0.01  | ND      | Endosulfan-beta    | 2.50  | ND      |
| Bifenthrin                         | 0.20* | ND      | Ethoprophos        | 0.01  | ND      |
| Boscalid                           | 0.01  | ND      | Etofenprox         | 0.05* | ND      |
| Buprofezin                         | 0.02* | ND      | Etoxazole          | 0.02* | ND      |
| Carbaryl                           | .025  | ND      | Etridiazole        | 0.15  | ND      |
| Carbofuran                         | 0.01  | ND      | Fenhexamid         | 0.05* | ND      |



# Dr. Fossum's Medium Dog Tincture FOS002 COA

Document Number: COA-044

Approval Date:  
22 Mar 2023

Version Number: 4.0

Page 5 of 7

## Pesticide Panel

Method: MF-CHEM-13 (GC-MS/MS)

ALL ANALYTES MUST BE LESS THAN LOQ

| Substance                    | LOQ   | RESULTS | Substance                             | LOQ   | RESULTS |
|------------------------------|-------|---------|---------------------------------------|-------|---------|
| Chlorantraniliprole          | 0.02* | ND      | Fenoxycarb                            | 0.01  | ND      |
| Chlorphenapyr / Chlorfenapyr | 1.50  | ND      | Fenpyroximate                         | 0.04* | ND      |
| Chlorpyrifos                 | 0.50  | ND      | Fensulfothion                         | 0.01  | ND      |
| Clofentezine                 | 0.01  | ND      | Fenthion                              | 0.01  | ND      |
| Clothianidin                 | .025  | ND      | Fenvalerate                           | 0.10* | ND      |
| Coumaphos                    | 0.01  | ND      | Fipronil                              | 0.01  | ND      |
| Cyantraniliprole             | 0.01  | ND      | Flonicamid                            | .025  | ND      |
| Cyfluthrin                   | 0.20* | ND      | Fludioxonil                           | 0.01  | ND      |
| Cypermethrin                 | 0.30* | ND      | Fluopyram                             | 0.01  | ND      |
| Cyprodinil                   | 0.01  | ND      | Hexythiazox                           | 0.02* | ND      |
| Daminozide                   | 0.10* | ND      | Imazalil                              | 0.01  | ND      |
| Imidacloprid                 | 0.01  | ND      | Pyrethrins                            | 0.30* | ND      |
| Iprodione                    | 0.50  | ND      | Pyridaben                             | 0.02  | ND      |
| Kinoprene                    | 1.25  | ND      | Pyriproxyfen                          | 0.02* | ND      |
| Kresoxim-methyl              | 0.15  | ND      | Quintozone / Pentachloro-nitrobenzene | 0.02* | ND      |
| Cyhalothrin (Lambda)         | 0.50* | ND      | Resmethrin                            | 0.05  | ND      |
| Malathion                    | 0.01  | ND      | Spinetoram                            | 0.01  | ND      |
| Metalaxyl                    | 0.01  | ND      | Spinosad                              | 0.01  | ND      |
| Methiocarb                   | 0.01  | ND      | Spirodiclofen                         | 0.01* | ND      |
| Methomyl                     | 0.025 | ND      | Spiromesifen                          | 0.10* | ND      |
| Methoprene                   | 2.00* | ND      | Spirotetramat                         | 0.01  | ND      |
| Mevinphos                    | .025  | ND      | Spiroxamine                           | 0.05* | ND      |



# Dr. Fossum's Medium Dog Tincture FOS002 COA

Document Number: COA-044

Approval Date:  
22 Mar 2023

Version Number: 4.0

Page 6 of 7

## Pesticide Panel

Method: MF-CHEM-13 (GC-MS/MS)

ALL ANALYTES MUST BE LESS THAN LOQ

| Substance          | LOQ   | RESULTS | Substance                                                                                                                                         | LOQ   | RESULTS |
|--------------------|-------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|
| MGK-264            | 0.05* | ND      | Tebuconazole                                                                                                                                      | 0.01  | ND      |
| Myclobutanil       | 0.01  | ND      | Tebufenozide                                                                                                                                      | 0.01  | ND      |
| Naled              | 0.05* | ND      | Teflubenzuron                                                                                                                                     | 0.03  | ND      |
| Novaluron          | .025  | ND      | Tetrachlorvinphos                                                                                                                                 | 0.01  | ND      |
| Oxamyl             | 1.50  | ND      | Tetramethrin                                                                                                                                      | 0.30* | ND      |
| Paclobutrazol      | 0.01  | ND      | Thiabendazole                                                                                                                                     | 0.02* | ND      |
| Methyl Parathion   | 0.05* | ND      | Thiacloprid                                                                                                                                       | 0.01  | ND      |
| Permethrin         | 0.30* | ND      | Thiamethoxam                                                                                                                                      | 0.01  | ND      |
| Phenothrin         | 0.20* | ND      | Thiophanate-methyl                                                                                                                                | 0.05* | ND      |
| Phosmet            | 0.02* | ND      | Trifloxystrobin                                                                                                                                   | 0.01  | ND      |
| Piperonyl butoxide | 1.25  | ND      | *CDPHE limits are not established and therefore approved third party testing laboratory's limit of quantification is utilized as the action limit |       |         |
| Pirimicarb         | 0.01  | ND      |                                                                                                                                                   |       |         |
| Prallethrin        | 0.10* | ND      |                                                                                                                                                   |       |         |
| Propiconazole      | 0.05* | ND      |                                                                                                                                                   |       |         |
| Propoxur           | 0.01  | ND      |                                                                                                                                                   |       |         |
| Pyraclostrobin     | 0.01  | ND      |                                                                                                                                                   |       |         |

**Dr. Fossum's Medium Dog Tincture FOS002 COA**

Document Number: COA-044

Approval Date:  
22 Mar 2023

Version Number: 4.0

Page 7 of 7

Prepared By:

02/28/2025

Date

Approved By:

Darcie Moran (Feb 28, 2025 09:29 MST)

02/28/2025

Date

**REVISION HISTORY**

| REV | CR Number     | Description of Change                   |
|-----|---------------|-----------------------------------------|
| 0   | DCC-2023-0044 | Initial Release                         |
| 1   | DCC-2023-0058 | Update to correct CoA format            |
| 2   | DCC-2023-0060 | Update cannabinoid quantities and units |
| 3   | DCC-2023-0065 | Update to include signature box         |

|                                                                                   |                                                                 |                                |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------|
|  | <b>Physical Properties Test Report</b>                          |                                |
|                                                                                   | Document Number: <b>FRM-QC-021</b><br>Governing SOP: SOP-QC-013 | Effective Date:<br>13 Jun 2023 |
|                                                                                   | Version Number: 3.0                                             | Page 1 of 2                    |

QC Test Report – Physical Properties

| Product Identification |        |           |          |             |                                  |                                 |
|------------------------|--------|-----------|----------|-------------|----------------------------------|---------------------------------|
| QC Sample ID           | Item # | Control # | Lot #    | Description | Performed By (initials and date) | Verified By (initials and date) |
| B525-0044<br>TS25-0242 | FO5002 | NA        | VH25-009 | Medium Dog  | KC 14Feb2025                     | DM 17FEB2025                    |

| Extracts and Finished Goods |                               |                              |                                  |                                 | <input type="checkbox"/> N/A |
|-----------------------------|-------------------------------|------------------------------|----------------------------------|---------------------------------|------------------------------|
| Criteria                    | Specification                 | Result                       | Performed By (initials and date) | Verified By (initials and date) |                              |
| Appearance:                 | NA                            | NA                           | NA                               | NA                              |                              |
| Consistency:                | Liquid                        | Liquid                       | KC 14Feb2025                     | DM 17FEB2025                    |                              |
| Color:                      | Translucent, yellow to amber  | Translucent, yellow to amber | KC 14Feb2025                     | DM 17FEB2025                    |                              |
| Foreign Materials:          | Free of foreign materials     | Free of foreign materials    | KC 14Feb2025                     | DM 17FEB2025                    |                              |
| Odor:                       | Light Fragrance, earthy smell | Light Fragrance              | KC 14Feb2025                     | DM 17FEB2025                    |                              |

| Biomass            |               |        |                                  |                                 | <input checked="" type="checkbox"/> N/A |
|--------------------|---------------|--------|----------------------------------|---------------------------------|-----------------------------------------|
| Criteria           | Specification | Result | Performed By (initials and date) | Verified By (initials and date) |                                         |
| Moisture (Visual): |               |        |                                  |                                 |                                         |
| Color:             |               |        |                                  |                                 |                                         |
| Odor:              |               |        |                                  |                                 |                                         |

| Raw Materials |               |        |                                  |                                 | <input checked="" type="checkbox"/> N/A |
|---------------|---------------|--------|----------------------------------|---------------------------------|-----------------------------------------|
| Criteria      | Specification | Result | Performed By (initials and date) | Verified By (initials and date) |                                         |
| Consistency:  |               |        |                                  |                                 |                                         |
| Color:        |               |        |                                  |                                 |                                         |
| Odor:         |               |        |                                  |                                 |                                         |

|                                                                                   |                                                                 |                                |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------|
|  | <b>Physical Properties Test Report</b>                          |                                |
|                                                                                   | Document Number: <b>FRM-QC-021</b><br>Governing SOP: SOP-QC-013 | Effective Date:<br>13 Jun 2023 |
|                                                                                   | Version Number: 3.0                                             | Page 2 of 2                    |

| Additional Observations |             | <input checked="" type="checkbox"/> N/A |
|-------------------------|-------------|-----------------------------------------|
| Footnote #:             | Observation |                                         |
|                         |             |                                         |
|                         |             |                                         |
|                         |             |                                         |

| REV | CR Number     | Description of Change                                                                                                           |
|-----|---------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1   | DCC-2022-0059 | Initial Release                                                                                                                 |
| 2   | DCC-2022-0069 | Updates to the Physical Properties SOP and associated form to include instructions and test reports for incoming raw materials. |
| 3   | DCC-2023-0109 | Update to 12pt Times New Roman and include performed by/verified by columns, N/A boxes, and appearance category.                |

Document Approvals  
Approved Date: 13 Jun 2023

|                                                          |                                                                                                                               |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Task: SME Approval<br>Verdict: Approve changes & release | Deepank Utkhede, Chief Process Biochemist & COO<br>(deepank@vantagehemp.com)<br>SME Approver<br>08-Jun-2023 17:59:43 GMT+0000 |
| Task: QA Approval<br>Verdict: Approve changes & release  | Darcie Moran, QA MANAGER<br>(darcie@vantagehemp.com)<br>QA Approval<br>13-Jun-2023 20:18:18 GMT+0000                          |

## ANALYZED BY:

Anresco Laboratories  
1375 Van Dyke Avenue,  
San Francisco, CA 94124  
C8-0000052-LIC

## CUSTOMER:

VANTAGE HEMP CO.  
2336 115th Ave  
Greeley, CO 80634



## SAMPLE INFORMATION

**Sample No.:** 1280167  
**Product Name:** VH25-009, RS25-0045 FOS002. 1.  
**Matrix:** Medium Dog Tincture (IP #1)  
**Lot #:** Edible (Tincture)  
VH25-009

**Date Collected:** 02/13/2025  
**Date Received:** 02/18/2025  
**Date Reported:** 02/25/2025

## TEST SUMMARY

**Cannabinoid Profile:**  Tested

## Cannabinoid Profile

02/25/2025

**Method:** MF-CHEM-15  
**Instrument:** Liquid Chromatography Diode Array Detector (LC-DAD)  
**Limit of Detection** 0.067 mg/g  
**Limit of Quantitation** 0.2 mg/g

| Cannabinoid                   | mg/g  | %     | mg/ml |
|-------------------------------|-------|-------|-------|
| Δ8-THC                        | ND    | ND    | ND    |
| Δ9-THC                        | ND    | ND    | ND    |
| Δ9-THCA                       | ND    | ND    | ND    |
| THCV                          | ND    | ND    | ND    |
| THCVA                         | ND    | ND    | ND    |
| CBD                           | 11.36 | 1.136 | 10.68 |
| CBDA                          | ND    | ND    | ND    |
| CBC                           | ND    | ND    | ND    |
| CBCA                          | ND    | ND    | ND    |
| CBDV                          | <LOQ  | <LOQ  | <LOQ  |
| CBG                           | 11.06 | 1.106 | 10.39 |
| CBGA                          | ND    | ND    | ND    |
| CBN                           | 2.49  | 0.249 | 2.34  |
| Total THC                     | ND    | ND    | ND    |
| Total CBD                     | 11.36 | 1.136 | 10.68 |
| Total Cannabinoids            | 24.91 | 2.491 | 23.42 |
| Sum of Cannabinoids           | 24.91 | 2.491 | 23.42 |
| <b>g/ml Conversion Factor</b> | 0.94  |       |       |

Total THC = Δ8-THC + Δ9-THC + (0.877 \* THCA)  
Total CBD = CBD + (0.877 \* CBDA)  
Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 \* Σ (acidic cannabinoids)]

ND = None Detected  
LOD = Limit of Detection  
LOQ = Limit of Quantitation

Reported by



Vu Lam  
Lab Co Director



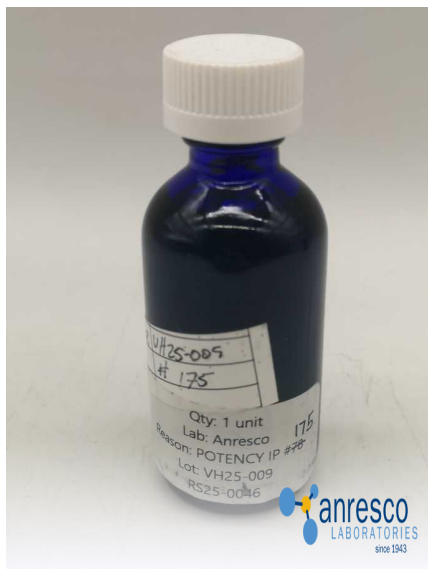
Scan to verify

## ANALYZED BY:

Anresco Laboratories  
1375 Van Dyke Avenue,  
San Francisco, CA 94124  
C8-0000052-LIC

## CUSTOMER:

VANTAGE HEMP CO.  
2336 115th Ave  
Greeley, CO 80634



## SAMPLE INFORMATION

**Sample No.:** 1280168  
**Product Name:** VH25-009, RS25-0046 FOS002.  
78. Medium Dog Tincture (IP #175)  
**Matrix:** Edible (Tincture)  
**Lot #:** VH25-009

**Date Collected:** 02/13/2025  
**Date Received:** 02/18/2025  
**Date Reported:** 02/25/2025

## TEST SUMMARY

**Cannabinoid Profile:**  Tested

## Cannabinoid Profile

02/25/2025

**Method:** MF-CHEM-15  
**Instrument:** Liquid Chromatography Diode Array Detector (LC-DAD)  
**Limit of Detection** 0.067 mg/g  
**Limit of Quantitation** 0.2 mg/g

| Cannabinoid                   | mg/g  | %     | mg/ml |
|-------------------------------|-------|-------|-------|
| Δ8-THC                        | ND    | ND    | ND    |
| Δ9-THC                        | ND    | ND    | ND    |
| Δ9-THCA                       | ND    | ND    | ND    |
| THCV                          | ND    | ND    | ND    |
| THCVA                         | ND    | ND    | ND    |
| CBD                           | 11.33 | 1.133 | 10.65 |
| CBDA                          | ND    | ND    | ND    |
| CBC                           | ND    | ND    | ND    |
| CBCA                          | ND    | ND    | ND    |
| CBDV                          | <LOQ  | <LOQ  | <LOQ  |
| CBG                           | 11.13 | 1.113 | 10.46 |
| CBGA                          | ND    | ND    | ND    |
| CBN                           | 2.48  | 0.248 | 2.33  |
| Total THC                     | ND    | ND    | ND    |
| Total CBD                     | 11.33 | 1.133 | 10.65 |
| Total Cannabinoids            | 24.94 | 2.494 | 23.44 |
| Sum of Cannabinoids           | 24.94 | 2.494 | 23.44 |
| <b>g/ml Conversion Factor</b> | 0.94  |       |       |

Total THC = Δ8-THC + Δ9-THC + (0.877 \* THCA)  
Total CBD = CBD + (0.877 \* CBDA)  
Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 \* Σ (acidic cannabinoids)]

ND = None Detected  
LOD = Limit of Detection  
LOQ = Limit of Quantitation

Reported by



Vu Lam  
Lab Co Director



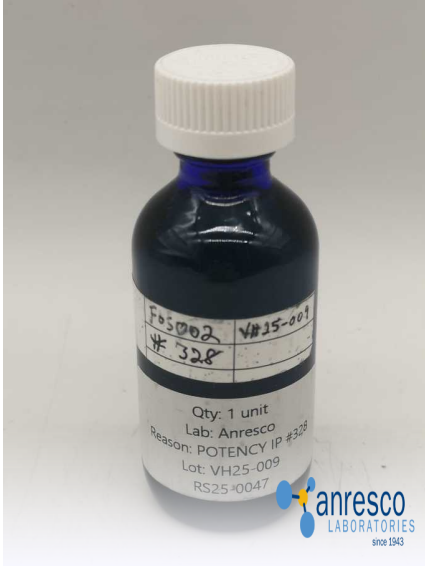
Scan to verify

## ANALYZED BY:

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1375 Van Dyke Avenue,  
San Francisco, CA 94124  
C8-0000052-LIC

## CUSTOMER:

VANTAGE HEMP CO.  
2336 115th Ave  
Greeley, CO 80634



## SAMPLE INFORMATION

**Sample No.:** 1280169  
**Product Name:** VH25-009, RS25-0047 FOS002, 328, Medium Dog Tincture (IP #328)  
**Matrix:** Edible (Tincture)  
**Lot #:** VH25-009

**Date Collected:** 02/13/2025  
**Date Received:** 02/18/2025  
**Date Reported:** 02/25/2025

## TEST SUMMARY

**Cannabinoid Profile:**  Tested

## Cannabinoid Profile

02/25/2025

**Method:** MF-CHEM-15  
**Instrument:** Liquid Chromatography Diode Array Detector (LC-DAD)  
**Limit of Detection** 0.067 mg/g  
**Limit of Quantitation** 0.2 mg/g

| Cannabinoid                   | mg/g  | %     | mg/ml |
|-------------------------------|-------|-------|-------|
| Δ8-THC                        | ND    | ND    | ND    |
| Δ9-THC                        | ND    | ND    | ND    |
| Δ9-THCA                       | ND    | ND    | ND    |
| THCV                          | ND    | ND    | ND    |
| THCVA                         | ND    | ND    | ND    |
| CBD                           | 11.64 | 1.164 | 10.94 |
| CBDA                          | ND    | ND    | ND    |
| CBC                           | ND    | ND    | ND    |
| CBCA                          | ND    | ND    | ND    |
| CBDV                          | <LOQ  | <LOQ  | <LOQ  |
| CBG                           | 11.50 | 1.150 | 10.81 |
| CBGA                          | ND    | ND    | ND    |
| CBN                           | 2.50  | 0.250 | 2.35  |
| Total THC                     | ND    | ND    | ND    |
| Total CBD                     | 11.64 | 1.164 | 10.94 |
| Total Cannabinoids            | 25.64 | 2.564 | 24.10 |
| Sum of Cannabinoids           | 25.64 | 2.564 | 24.10 |
| <b>g/ml Conversion Factor</b> | 0.94  |       |       |

Total THC = Δ8-THC + Δ9-THC + (0.877 \* THCA)  
Total CBD = CBD + (0.877 \* CBDA)  
Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 \* Σ (acidic cannabinoids)]

ND = None Detected  
LOD = Limit of Detection  
LOQ = Limit of Quantitation

Reported by



Vu Lam  
Lab Co Director



Scan to verify

## ANALYZED BY:

Anresco Laboratories  
1375 Van Dyke Avenue,  
San Francisco, CA 94124  
C8-0000052-LIC

## CUSTOMER:

VANTAGE HEMP CO.  
2336 115th Ave  
Greeley, CO 80634



## SAMPLE INFORMATION

**Sample No.:** 1280166  
**Product Name:** VH25-009, RS25-0044 FOS002.  
**Matrix:** Medium Dog Tincture  
**Edible (Tincture)**  
**Lot #:** VH25-009

**Date Collected:** 02/13/2025  
**Date Received:** 02/18/2025  
**Date Reported:** 02/25/2025

## TEST SUMMARY

**Cannabinoid Profile:** ✔ Tested  
**Pesticide Residue Screen:** ✔ Pass  
**Mycotoxin Screen:** ✔ Pass

**Microbiological Screen:** ✔ Pass  
**Heavy Metal Screen:** ✔ Pass  
**Residual Solvent Screen - COCDPHE:** ✔ Pass

## Cannabinoid Profile

02/25/2025

**Method:** MF-CHEM-15  
**Instrument:** Liquid Chromatography Diode Array Detector (LC-DAD)  
**Limit of Detection** 0.067 mg/g  
**Limit of Quantitation** 0.2 mg/g

| Cannabinoid                   | mg/g  | %     | mg/ml |
|-------------------------------|-------|-------|-------|
| Δ8-THC                        | ND    | ND    | ND    |
| Δ9-THC                        | ND    | ND    | ND    |
| Δ9-THCA                       | ND    | ND    | ND    |
| THCV                          | ND    | ND    | ND    |
| THCVA                         | ND    | ND    | ND    |
| CBD                           | 11.67 | 1.167 | 10.97 |
| CBDA                          | ND    | ND    | ND    |
| CBC                           | ND    | ND    | ND    |
| CBCA                          | ND    | ND    | ND    |
| CBDV                          | <LOQ  | <LOQ  | <LOQ  |
| CBG                           | 11.07 | 1.107 | 10.40 |
| CBGA                          | ND    | ND    | ND    |
| CBN                           | 2.46  | 0.246 | 2.32  |
| Total THC                     | ND    | ND    | ND    |
| Total CBD                     | 11.67 | 1.167 | 10.97 |
| Total Cannabinoids            | 25.20 | 2.520 | 23.69 |
| Sum of Cannabinoids           | 25.20 | 2.520 | 23.69 |
| <b>g/ml Conversion Factor</b> | 0.94  |       |       |

Total THC = Δ8-THC + Δ9-THC + (0.877 \* THCA)  
Total CBD = CBD + (0.877 \* CBDA)  
Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 \* Σ (acidic cannabinoids)]

## Microbiological Screen ✔ Pass

02/25/2025

| Analyte              | Findings | Units | Method             | Limit      | Status |
|----------------------|----------|-------|--------------------|------------|--------|
| Standard Plate Count | <10      | cfu/g | FDA BAM            | <10,000    | Pass   |
| Total Yeast & Mold   | <10      | cfu/g | FDA BAM            | <1,000     | Pass   |
| Coliforms            | <10      | cfu/g | FDA BAM - ECC AGAR | <100       | Pass   |
| Salmonella           | Absent   | /25g  | AOAC 2016.01       | Absent/25g | Pass   |
| STEC                 | Absent   | /25g  | Neogen MDS STEC    | Absent/25g | Pass   |

## Pesticide Residue Screen ✔ Pass

02/25/2025

**Method:** MF-CHEM-13  
**Instrument:** Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

| Analyte     | LOD / LOQ (ppm) | Findings (ppm) | Limit | Status |
|-------------|-----------------|----------------|-------|--------|
| Acephate    | 0.006/0.02      | ND             | 0.05  | Pass   |
| Acequinocyl | 0.009/0.03      | ND             | 0.03* | *      |
| Acetamiprid | 0.015/0.05      | ND             | 0.05  | Pass   |

| Analyte              | LOD / LOQ (ppm) | Findings (ppm) | Limit  | Status |
|----------------------|-----------------|----------------|--------|--------|
| Aldicarb             | 0.02/0.06       | ND             | 0.5    | Pass   |
| Allethrin            | 0.03/0.1        | ND             | 0.1    | Pass   |
| Atrazine             | 0.008/0.025     | ND             | 0.025* | *      |
| Avermectin B1a       | 0.075/0.25      | ND             | 0.25   | Pass   |
| Azadirachtin         | 0.15/0.5        | ND             | 0.5    | Pass   |
| Azoxystrobin         | 0.003/0.01      | ND             | 0.01   | Pass   |
| Benzovindiflupyr     | 0.003/0.01      | ND             | 0.01   | Pass   |
| Bifenazate           | 0.003/0.01      | ND             | 0.01   | Pass   |
| Bifenthrin           | 0.06/0.2        | ND             | 0.2*   | *      |
| Boscalid             | 0.003/0.01      | ND             | 0.01   | Pass   |
| Buprofezin           | 0.006/0.02      | ND             | 0.02*  | *      |
| Carbaryl             | 0.008/0.025     | ND             | 0.025  | Pass   |
| Carbofuran           | 0.003/0.01      | ND             | 0.01   | Pass   |
| Chlorantraniliprole  | 0.006/0.02      | ND             | 0.02*  | *      |
| Chlorfenapyr         | 0.015/0.05      | ND             | 1.5    | Pass   |
| Chlorpyrifos         | 0.01/0.04       | ND             | 0.5    | Pass   |
| Clofentezine         | 0.003/0.01      | ND             | 0.01   | Pass   |
| Clothianidin         | 0.008/0.025     | ND             | 0.025  | Pass   |
| Coumaphos            | 0.003/0.01      | ND             | 0.01   | Pass   |
| Cyantraniliprole     | 0.003/0.01      | ND             | 0.01   | Pass   |
| Cyfluthrin           | 0.06/0.2        | ND             | 0.2*   | *      |
| Cyhalothrin (Lambda) | 0.15/0.5        | ND             | 0.5*   | *      |
| Cypermethrin         | 0.09/0.3        | ND             | 0.3*   | *      |
| Cyprodinil           | 0.003/0.01      | ND             | 0.01   | Pass   |
| Daminozide           | 0.03/0.1        | ND             | 0.1*   | *      |
| Deltamethrin         | 0.15/0.5        | ND             | 0.5*   | *      |
| Diazinon             | 0.006/0.02      | ND             | 0.02*  | *      |
| Dichlorvos           | 0.015/0.05      | ND             | 0.05   | Pass   |
| Dimethoate           | 0.003/0.01      | ND             | 0.01   | Pass   |
| Dimethomorph         | 0.015/0.05      | ND             | 0.05*  | *      |
| Dinotefuran          | 0.015/0.05      | ND             | 0.05   | Pass   |
| Diuron               | 0.015/0.05      | ND             | 0.05*  | *      |
| Dodemorph            | 0.015/0.05      | ND             | 0.05*  | *      |
| Endosulfan sulfate   | 0.015/0.05      | ND             | 2.5    | Pass   |
| Endosulfan-alpha (I) | 0.015/0.05      | ND             | 2.5    | Pass   |
| Endosulfan-beta (II) | 0.015/0.05      | ND             | 2.5    | Pass   |
| Ethoprophos          | 0.003/0.01      | ND             | 0.01   | Pass   |
| Etofenprox           | 0.015/0.05      | ND             | 0.05*  | *      |
| Etoxazole            | 0.006/0.02      | ND             | 0.02*  | *      |
| Etridiazole          | 0.009/0.03      | ND             | 0.15   | Pass   |
| Fenhexamid           | 0.015/0.05      | ND             | 0.05*  | *      |
| Fenoxycarb           | 0.003/0.01      | ND             | 0.01   | Pass   |
| Fenpyroximate        | 0.01/0.04       | ND             | 0.04*  | *      |
| Fensulfthion         | 0.003/0.01      | ND             | 0.01   | Pass   |
| Fenthion             | 0.003/0.01      | ND             | 0.01   | Pass   |
| Fenvalerate          | 0.03/0.1        | ND             | 0.1*   | *      |
| Fipronil             | 0.003/0.01      | ND             | 0.01   | Pass   |
| Flonicamid           | 0.008/0.025     | ND             | 0.025  | Pass   |
| Fludioxonil          | 0.003/0.01      | ND             | 0.01   | Pass   |
| Fluopyram            | 0.003/0.01      | ND             | 0.01   | Pass   |
| Hexythiazox          | 0.006/0.02      | ND             | 0.02*  | *      |
| Imazalil             | 0.003/0.01      | ND             | 0.01   | Pass   |
| Imidacloprid         | 0.003/0.01      | ND             | 0.01   | Pass   |
| Iprodione            | 0.15/0.5        | ND             | 0.5    | Pass   |
| Kinoprene            | 0.3/1.0         | ND             | 1.25   | Pass   |
| Kresoxim-methyl      | 0.006/0.02      | ND             | 0.15   | Pass   |
| Malathion            | 0.003/0.01      | ND             | 0.01   | Pass   |
| Metalaxyl            | 0.003/0.01      | ND             | 0.01   | Pass   |
| Methiocarb           | 0.003/0.01      | ND             | 0.01   | Pass   |
| Methomyl             | 0.008/0.025     | ND             | 0.025  | Pass   |
| Methoprene           | 0.6/2           | ND             | 2*     | *      |
| Methyl parathion     | 0.015/0.05      | ND             | 0.05*  | *      |
| Mevinphos            | 0.008/0.025     | ND             | 0.025  | Pass   |
| MGK-264              | 0.015/0.05      | ND             | 0.05*  | *      |
| Myclobutanil         | 0.003/0.01      | ND             | 0.01   | Pass   |
| Naled                | 0.015/0.05      | ND             | 0.05*  | *      |
| Novaluron            | 0.008/0.025     | ND             | 0.025  | Pass   |
| Oxamyl               | 0.015/0.05      | ND             | 1.5    | Pass   |
| Paclobutrazol        | 0.003/0.01      | ND             | 0.01   | Pass   |
| Permethrin           | 0.09/0.3        | ND             | 0.3*   | *      |

| Analyte                 | LOD / LOQ (ppm) | Findings (ppm) | Limit | Status |
|-------------------------|-----------------|----------------|-------|--------|
| Pentachloronitrobenzene | 0.006/0.02      | ND             | 0.02* | *      |
| Phenothrin              | 0.06/0.2        | ND             | 0.2*  | *      |
| Phosmet                 | 0.006/0.02      | ND             | 0.02* | *      |
| Piperonyl butoxide      | 0.015/0.05      | ND             | 1.25  | Pass   |
| Pirimicarb              | 0.003/0.01      | ND             | 0.01  | Pass   |
| Prallethrin             | 0.03/0.1        | ND             | 0.1*  | *      |
| Propiconazole           | 0.015/0.05      | ND             | 0.05* | *      |
| Propoxur                | 0.003/0.01      | ND             | 0.01  | Pass   |
| Pyraclostrobin          | 0.003/0.01      | ND             | 0.01  | Pass   |
| Pyrethrins              | 0.09/0.3        | ND             | 0.3*  | *      |
| Pyridaben               | 0.006/0.02      | ND             | 0.02  | Pass   |
| Pyriproxyfen            | 0.006/0.02      | ND             | 0.02* | *      |
| Resmethrin              | 0.015/0.05      | ND             | 0.05  | Pass   |
| Spinetoram              | 0.003/0.01      | ND             | 0.01  | Pass   |
| Spinosad                | 0.003/0.01      | ND             | 0.01  | Pass   |
| Spirodiclofen           | 0.03/0.1        | ND             | 0.1*  | *      |
| Spiromesifen            | 0.03/0.1        | ND             | 0.1*  | *      |
| Spirotetramat           | 0.003/0.01      | ND             | 0.01  | Pass   |
| Spiroxamine             | 0.015/0.05      | ND             | 0.05* | *      |
| Tebuconazole            | 0.003/0.01      | ND             | 0.01  | Pass   |
| Tebufoenozide           | 0.003/0.01      | ND             | 0.01  | Pass   |
| Teflubenzuron           | 0.008/0.025     | ND             | 0.025 | Pass   |
| Tetrachlorvinphos       | 0.003/0.01      | ND             | 0.01  | Pass   |
| Tetramethrin            | 0.09/0.3        | ND             | 0.3*  | *      |
| Thiabendazole           | 0.006/0.02      | ND             | 0.02* | *      |
| Thiacloprid             | 0.003/0.01      | ND             | 0.01  | Pass   |
| Thiamethoxam            | 0.003/0.01      | ND             | 0.01  | Pass   |
| Thiophanate-methyl      | 0.015/0.05      | ND             | 0.05* | *      |
| Trifloxystrobin         | 0.003/0.01      | ND             | 0.01  | Pass   |

Note: Statuses with an asterisk (\*) indicate LOQ/Action Limits not available or established by the CDPHE per CDPHE Code Reg. 1010-21.7.

## Heavy Metal Screen ✔ Pass

02/25/2025

Method: MF-CHEM-16

Instrument: ICP-MS

| Analyte | LOD / LOQ (ppm) | Findings (ppm) | Limit | Status |
|---------|-----------------|----------------|-------|--------|
| Arsenic | 0.02/0.05       | ND             | 1.5   | Pass   |
| Cadmium | 0.02/0.05       | ND             | 0.5   | Pass   |
| Mercury | 0.02/0.05       | ND             | 1.5   | Pass   |
| Lead    | 0.02/0.05       | ND             | 0.5   | Pass   |

## Mycotoxin Screen

02/25/2025

Method: MF-CHEM-13

Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS)

| Analyte          | LOD/LOQ (ppb) | Findings (ppb) | Limit (ppb) | Status |
|------------------|---------------|----------------|-------------|--------|
| Aflatoxin B1     | 0.5/1         | ND             | 2           | Pass   |
| Aflatoxin B2     | 0.5/1         | ND             | -           | -      |
| Aflatoxin G1     | 0.5/1         | ND             | -           | -      |
| Aflatoxin G2     | 0.5/1         | ND             | -           | -      |
| Total Aflatoxins | 2/4           | ND             | 4           | Pass   |
| Ochratoxin A     | 0.5/1         | ND             | 1           | Pass   |

## Residual Solvent Screen - CO CDPHE ✔ Pass

02/25/2025

**Method:** MF-CHEM-32

**Instrument:** Gas Chromatography Mass Spectrometry (GC/MS)

| Analyte                                 | LOD / LOQ (ppm) | Findings (ppm) | Limit | Status |
|-----------------------------------------|-----------------|----------------|-------|--------|
| Acetone                                 | 67/200          | ND             | 1000  | Pass   |
| Benzene                                 | 0.2/0.5         | ND             | 2     | Pass   |
| Butanes                                 | 67/200          | ND             | 1000  | Pass   |
| Ethanol                                 | 67/200          | ND             | 1000  | Pass   |
| Ethyl Acetate                           | 67/200          | ND             | 1000  | Pass   |
| Heptanes                                | 67/200          | ND             | 1000  | Pass   |
| Hexane                                  | 14/40           | ND             | 60    | Pass   |
| Isopropyl Alcohol                       | 67/200          | ND             | 1000  | Pass   |
| Methanol                                | 67/200          | ND             | 600   | Pass   |
| Pentane                                 | 67/200          | ND             | 1000  | Pass   |
| propane                                 | 67/200          | ND             | 1000  | Pass   |
| Toluene                                 | 14/40           | ND             | 180   | Pass   |
| Total Xylenes (m, p, o-xylenes)         | 67/200          | ND             | 430   | Pass   |
| Any other solvent not permitted for use | NA/NA           | ND             | NA    | Pass   |

ND = None Detected  
LOD = Limit of Detection  
LOQ = Limit of Quantitation

Reported by




Vu Lam  
Lab Co Director



Scan to verify