

Certificate of Analysis

For R&D Use Only - Not a California Compliance Certificate.

Hawaiian Runtz

Client: Collective Society

Sample Name: Hawaiian Runtz

Batch Number: N/A

Matrix: Plant

Unit Mass: 1 g per unit

Sample ID: 55850731-1

Date Received: 7/31/2025



Total CBD

ND

Delta 9-THC

0.27 %

THCA

26.65 %

Total Cannabinoids

27.12 %

Analysis Summary

Residual Pesticides

Pass

Mycotoxins

Pass

Heavy Metals

Pass

Microbial Impurities

Pass

Cannabinoid Analysis

Complete

| Analyte | LOD (%) | LOQ (%) | Mass (%) | Mass (mg/g) |
|---------------------------|---------------|---------------|---------------|---------------|
| CBDV | 0.0035 | 0.011 | ND | ND |
| CBD | 0.0030 | 0.0090 | ND | ND |
| CBG | 0.0038 | 0.011 | ND | ND |
| CBDa | 0.0017 | 0.0052 | ND | ND |
| CBN | 0.00080 | 0.0024 | ND | ND |
| Delta 9-THC | 0.0022 | 0.0067 | 0.273 | 2.73 |
| Delta 8-THC | 0.0020 | 0.0059 | ND | ND |
| CBC | 0.00070 | 0.0021 | ND | ND |
| THCA | 0.0024 | 0.0073 | 26.648 | 266.48 |
| Total CBD | | | ND | ND |
| Total THC | | | 23.84 | 238.44 |
| Total Cannabinoids | | | 27.12 | 271.22 |

Date Tested: 7/31/2025

Total THC = THCa * 0.877 + d9-THC + d8-THC; Total CBD = CBDa * 0.877 + CBD

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References: limit of detection (LOD), limit of quantitation (LOQ), not detected (ND), not tested (NT)

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Pesticide Analysis

Pass

| Analyte | LOQ (ppm) | Limit (ppm) | Mass (ppm) | Status |
|-------------------------|-----------|-------------|------------|--------|
| Abamectin | 0.050 | 0.10 | ND | Pass |
| Acephate | 0.050 | 0.10 | ND | Pass |
| Acequinocyl | 0.050 | 0.10 | ND | Pass |
| Acetamiprid | 0.050 | 0.10 | ND | Pass |
| Aldicarb | 0.050 | 0.00 | ND | Pass |
| Azoxystrobin | 0.050 | 0.10 | ND | Pass |
| Bifenazate | 0.050 | 0.10 | ND | Pass |
| Bifenthrin | 0.050 | 3.00 | ND | Pass |
| Boscalid | 0.050 | 0.10 | ND | Pass |
| Captan | 0.050 | 0.70 | ND | Pass |
| Carbaryl | 0.050 | 0.50 | ND | Pass |
| Carbofuran | 0.050 | 0.00 | ND | Pass |
| Chlorantraniliprole | 0.050 | 10.00 | ND | Pass |
| Chlordane | 0.050 | 0.00 | ND | Pass |
| Chlorfenapyr | 0.050 | 0.00 | ND | Pass |
| Chlorpyrifos | 0.050 | 0.00 | ND | Pass |
| Clofentezine | 0.050 | 0.10 | ND | Pass |
| Coumaphos | 0.050 | 0.00 | ND | Pass |
| Cyfluthrin | 0.050 | 2.00 | ND | Pass |
| Cypermethrin | 0.050 | 1.00 | ND | Pass |
| Daminozide | 0.050 | 0.00 | ND | Pass |
| DDVP | 0.050 | 0.00 | ND | Pass |
| Diazinon | 0.050 | 0.10 | ND | Pass |
| Dimethoate | 0.050 | 0.00 | ND | Pass |
| Dimethomorph | 0.050 | 2.00 | ND | Pass |
| Ethoprophos | 0.050 | 0.00 | ND | Pass |
| Etofenprox | 0.050 | 0.00 | ND | Pass |
| Etoxazole | 0.050 | 0.10 | ND | Pass |
| Fenhexamid | 0.050 | 0.10 | ND | Pass |
| Fenoxycarb | 0.050 | 0.00 | ND | Pass |
| Fenpyroximate | 0.050 | 0.10 | ND | Pass |
| Fipronil | 0.050 | 0.00 | ND | Pass |
| Flonicamid | 0.050 | 0.10 | ND | Pass |
| Fludioxonil | 0.050 | 0.10 | ND | Pass |
| Hexythiazox | 0.050 | 0.10 | ND | Pass |
| Imazalil | 0.050 | 0.00 | ND | Pass |
| Imidacloprid | 0.050 | 5.00 | ND | Pass |
| Kresoxim Methyl | 0.050 | 0.10 | ND | Pass |
| Malathion | 0.050 | 0.50 | ND | Pass |
| Metalaxyl | 0.050 | 2.00 | ND | Pass |
| Methiocarb | 0.050 | 0.00 | ND | Pass |
| Methomyl | 0.050 | 1.00 | ND | Pass |
| Methyl Parathion | 0.050 | 0.00 | ND | Pass |
| Mevinphos | 0.050 | 0.00 | ND | Pass |
| Myclobutanil | 0.050 | 0.10 | ND | Pass |
| Naled | 0.050 | 0.10 | ND | Pass |
| Oxamyl | 0.050 | 0.50 | ND | Pass |
| Paclobutrazol | 0.050 | 0.00 | ND | Pass |
| Pentachloronitrobenzene | 0.050 | 0.10 | ND | Pass |
| Permethrin | 0.050 | 0.50 | ND | Pass |
| Phosmet | 0.050 | 0.10 | ND | Pass |
| Piperonyl Butoxide | 0.050 | 3.00 | ND | Pass |
| Prallethrin | 0.050 | 0.10 | ND | Pass |
| Propiconazole | 0.050 | 0.10 | ND | Pass |

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Pesticide Analysis

Pass

| Analyte | LOQ (ppm) | Limit (ppm) | Mass (ppm) | Status |
|-----------------|-----------|-------------|------------|--------|
| Propoxur | 0.050 | 0.00 | ND | Pass |
| Pyrethrins | 0.050 | 0.50 | 0.345 | Pass |
| Pyridaben | 0.050 | 0.10 | ND | Pass |
| Spinetoram | 0.050 | 0.10 | ND | Pass |
| Spinosad | 0.050 | 0.10 | ND | Pass |
| Spiromesifen | 0.050 | 0.10 | ND | Pass |
| Spirotetramat | 0.050 | 0.10 | ND | Pass |
| Spiroxamine | 0.050 | 0.00 | ND | Pass |
| Tebuconazole | 0.050 | 0.10 | ND | Pass |
| Thiacloprid | 0.050 | 0.00 | ND | Pass |
| Thiamethoxam | 0.050 | 5.00 | ND | Pass |
| Trifloxystrobin | 0.050 | 0.10 | ND | Pass |

Date Tested: 7/31/2025

Mycotoxins

Pass

| Analyte | LOQ (µg/g) | Limit (µg/g) | Mass (µg/g) | Status |
|--------------|------------|--------------|-------------|--------|
| Aflatoxin B1 | 0.02 | 0.02 | ND | Pass |
| Aflatoxin B2 | 0.02 | 0.02 | ND | Pass |
| Aflatoxin G1 | 0.02 | 0.02 | ND | Pass |
| Aflatoxin G2 | 0.02 | 0.02 | ND | Pass |
| Ochratoxin A | 0.02 | 0.02 | ND | Pass |

Date Tested: 7/31/2025

Heavy Metals Analysis

Pass

| Analyte | LOQ (µg/g) | Limit (µg/g) | Mass (µg/g) | Status |
|---------|------------|--------------|-------------|--------|
| Arsenic | 0.050 | 0.200 | ND | Pass |
| Cadmium | 0.050 | 0.200 | ND | Pass |
| Lead | 0.125 | 0.500 | 0.146 | Pass |
| Mercury | 0.025 | 0.100 | ND | Pass |

Date Tested: 8/1/2025

Microbial Analysis

Pass

| Test | Result (CFU/g) | Status |
|---|----------------|--------|
| <i>Aspergillus flavus</i> | Absent / 1g | Pass |
| <i>Aspergillus fumigatus</i> | Absent / 1g | Pass |
| <i>Aspergillus niger</i> | Absent / 1g | Pass |
| <i>Aspergillus terreus</i> | Absent / 1g | Pass |
| Shiga-toxin producing <i>Escherichia coli</i> | Absent / 1g | Pass |
| <i>Salmonella</i> | Absent / 1g | Pass |

Date Tested: 8/4/2025

CFU = Colony Forming Units

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Method References:

Hemp Profile (SOP HPLC Hemp by UV-Detection)

Multi-Residue Pesticide Analysis - (AOAC_200701)

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

Mycotoxins Analysis - 5 compounds (FDA_MYC)

Determination of Mycotoxins in Corn, Peanut Butter and Wheat Flour Using Stable Isotope Dilution Assay (SIDA) and Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) (modified).

Heavy Metals Analysis - 4 elements (EPA_200.8)

Methods for the Determination of Metals in Environmental Standards - Supplement 1, EPA-600/R-94-111, May 1994.

"Determination of Metals and Trace Elements in Water and Wastes by Inductively Coupled Plasma-Mass Spectrometry", USEPA Method 200.8, Revision 5.1, EMMC Version (modified).

Microbial Analysis - (FDABAM_4A_5_18)

U.S. Food and Drug Administration, Bacteriological Analytical Manual, Chapter 4A, Diarrheagenic Escherichia coli; Chapter 5, Salmonella; Chapter 18, Yeasts, Molds and Mycotoxins (modified).