

**SAMPLE NAME: Kannaco - Tincture - 2000mg - Orange Cream**

Infused, Hemp Infused

**CULTIVATOR / MANUFACTURER**
**Business Name:**
**License Number:**
**Address:**
**DISTRIBUTOR / TESTED FOR**
**Business Name:** Kannaco, LLC

**License Number:**
**Address:**

**SAMPLE DETAIL**
**Batch Number:** TOC20622

**Sample ID:** 221118N071

**Date Collected:** 11/18/2022

**Date Received:** 11/18/2022

**Batch Size:**
**Sample Size:** 1.0 units

**Unit Mass:** 30 milliliters per Unit

**Serving Size:** 1 milliliters per Serving


Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**
**Total THC:** 68.280 mg/unit

**Total CBD:** 2521.680 mg/unit

**Sum of Cannabinoids:** 2744.130 mg/unit

**Total Cannabinoids:** 2744.040 mg/unit

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

$$\text{Total THC} = \Delta^9\text{-THC} + (\text{THCa} \cdot 0.877)$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} \cdot 0.877)$$

$$\text{Sum of Cannabinoids} = \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} +$$

$$\text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$

$$\text{Total Cannabinoids} = (\Delta^9\text{-THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) +$$

$$(\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) +$$

$$(\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$
**Density:** 0.9475 g/mL

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

**Sample Certification:** Action Limits used in this report are a compilation of guidance from state regulatory agencies in all states except Alaska. Action limits for required tests are the lower of any conflicting state regulations.

**Decision Rule:** Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

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

*Carlie Stone*  
LQC verified by: Carlie Stone  
Job Title: Senior Laboratory Analyst  
Date: 11/23/2022

*Josh Wurzer*  
Approved by: Josh Wurzer  
Job Title: President  
Date: 11/23/2022




## Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

**Method:** QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

**TOTAL THC: 68.280 mg/unit**

Total THC ( $\Delta^9$ -THC+0.877\*THCa)

**TOTAL CBD: 2521.680 mg/unit**

Total CBD (CBD+0.877\*CBDA)

**TOTAL CANNABINOIDS: 2744.040 mg/unit**

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) +  $\Delta^8$ -THC + CBL + CBN

**TOTAL CBG: 27.600 mg/unit**

Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: 2.670 mg/unit**

Total THCV (THCV+0.877\*THCVa)

**TOTAL CBC: 101.340 mg/unit**

Total CBC (CBC+0.877\*CBCa)

**TOTAL CBDV: 12.750 mg/unit**

Total CBDV (CBDV+0.877\*CBDVa)

### CANNABINOID TEST RESULTS - 11/23/2022

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004 / 0.011	±3.1344	84.032	8.8688
CBC	0.003 / 0.010	±0.1088	3.378	0.3565
$\Delta^9$ -THC	0.002 / 0.014	±0.1250	2.276	0.2402
CBG	0.002 / 0.006	±0.0446	0.920	0.0971
CBDV	0.002 / 0.012	±0.0173	0.425	0.0449
CBN	0.001 / 0.007	±0.0053	0.186	0.0196
CBL	0.003 / 0.010	±0.0051	0.138	0.0146
THCV	0.002 / 0.012	±0.0044	0.089	0.0094
CBDA	0.001 / 0.026	±0.0008	0.027	0.0028
$\Delta^8$ -THC	0.01 / 0.02	N/A	ND	ND
THCa	0.001 / 0.005	N/A	ND	ND
THCVa	0.002 / 0.019	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>			<b>91.471 mg/mL</b>	<b>9.6539%</b>

**Unit Mass: 30 milliliters per Unit / Serving Size: 1 milliliters per Serving**

$\Delta^9$ -THC per Unit	68.280 mg/unit
$\Delta^9$ -THC per Serving	2.276 mg/serving
Total THC per Unit	68.280 mg/unit
Total THC per Serving	2.276 mg/serving
CBD per Unit	2520.960 mg/unit
CBD per Serving	84.032 mg/serving
Total CBD per Unit	2521.680 mg/unit
Total CBD per Serving	84.056 mg/serving
Sum of Cannabinoids per Unit	2744.130 mg/unit
Sum of Cannabinoids per Serving	91.471 mg/serving
Total Cannabinoids per Unit	2744.040 mg/unit
Total Cannabinoids per Serving	91.468 mg/serving

### DENSITY TEST RESULT

**0.9475 g/mL**

Tested 11/23/2022

**Method:** QSP 7870 - Sample Preparation