

# Hemp Quality Assurance Testing

# **CERTIFICATE OF ANALYSIS**

**DATE ISSUED 04/28/2025** 

# SAMPLE DETAILS

SAMPLE NAME: 1500mg BS Orange Pomegranate Tincture

Infused, Colorado Infused

**CULTIVATOR / MANUFACTURER** 

Business Name: License Number:

Address:

SAMPLE DETAIL

Batch Number: 241224A Sample ID: 241212L012 Date of Sampling: 12/12/2024 Time of Sampling: 10:24 a.m.

Sampler Name: Sampler Company: **DISTRIBUTOR / TESTED FOR** 

Business Name: Proper Rhino

Packaging, LLC License Number:

Address:

**Date Collected:** 12/12/2024 **Date Received:** 12/12/2024

Batch Size:

Sample Size: 1.0 units

Unit Mass: 30 milliliters per Unit Serving Size: 1 milliliters per Serving Ass Secure for August 1990 and August 1990 and 1



Scan QR code to verify authenticity of results.

#### **CANNABINOID ANALYSIS - SUMMARY**

**Total THC: Not Detected** 

Total CBD: 1348.470 mg/unit

Sum of Cannabinoids: 1619.790 mg/unit

Total Cannabinoids: 1619.790 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: Total THC =  $\Delta^9$ -THC + (THCa (0.877))

Total CBD = CBD + (CBDa (0.877))

$$\label{eq:SumofCannabinoids} \begin{split} &Sum\ of\ Cannabinoids = \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \\ &THCV + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN} \\ &Total\ Cannabinoids = (\Delta^9\text{-THC} + 0.877*\text{THCa}) + (\text{CBD} + 0.877*\text{CBDa}) + \\ &(\text{CBG} + 0.877*\text{CBGa}) + (\text{THCV} + 0.877*\text{THCVa}) + (\text{CBC} + 0.877*\text{CBCa}) + \\ \end{split}$$

(CBDV+0.877\*CBDVa) +  $\Delta$ 8-THC + CBL + CBN

Density: 0.9489 g/mL

### SAFETY ANALYSIS - SUMMARY

Microbiology (Plating): 

PASS

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: 6 CCR 1010-21 Colorado Wholesale Food, Industrial Hemp, and Shellfish Regulations; where applicable

**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.

 $\label{eq:continuous} \textbf{References:} \ \ \text{limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), } \\ \mu g/g = ppm, \\ \mu g/kg = ppb, \\ \text{too numerous to count} > 250 \ \ \text{cfu/plate (TNTC), colony-forming unit (cfu)} \\ \end{cases}$ 

LOC verified by: Daniel Hardwick Job Title: Technical Lead Date: 04/28/2025

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 04/28/2025

Date: 04/20/2023

Amendment to Certificate of Analysis 241212L012-002



# **Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS**

**DATE ISSUED 04/28/2025** 





# 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: Not Detected** Total THC (Δ9-THC+0.877\*THCa)

TOTAL CBD: 1348.470 mg/unit

Total CBD (CBD+0.877\*CBDa)

TOTAL CANNABINOIDS: 1619.790 mg/unit

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

TOTAL CBG: 67.260 mg/unit

Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: ND** 

Total THCV (THCV+0.877\*THCVa)

TOTAL CBC: 90.030 mg/unit

Total CBC (CBC+0.877\*CBCa)

TOTAL CBDV: 12.840 mg/unit

Total CBDV (CBDV+0.877\*CBDVa)

#### **CANNABINOID TEST RESULTS - 04/27/2025**

	COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
	CBD	0.004 / 0.011	±1.6766	44.949	4.7370
	CBN	0.001 / 0.007	±0.0898	3.128	0.3296
	СВС	0.003 / 0.010	±0.0966	3.001	0.3163
	CBG	0.002 / 0.006	±0.1087	2.242	0.2363
	CBDV	0.002 / 0.012	±0.0175	0.428	0.0451
	CBL	0.003 / 0.010	±0.0090	0.245	0.0258
t -	∆ <sup>9</sup> -THC	0.002 / 0.014	N/A	ND	ND
	∆ <sup>8</sup> -THC	0.01 / 0.02	N/A	ND	ND
	THCa	0.001 / 0.005	N/A	ND	ND
	THCV	0.002/0.012	N/A	ND	ND
Ī	THCVa	0.002/0.019	N/A	ND	ND
	CBDa	0.001 / 0.026	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
	SUM OF CANNA	BINOIDS		53.993 mg/mL	5.6901%

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

$\Delta^9$ -THC per Unit	ND
Δ <sup>9</sup> -THC per Serving	ND
Total THC per Unit	ND
Total THC per Serving	ND
CBD per Unit	1348.470 mg/unit
CBD per Serving	44.949 mg/serving
Total CBD per Unit	1348.470 mg/unit
Total CBD per Serving	44.949 mg/serving
Sum of Cannabinoids per Unit	1619.790 mg/unit
Sum of Cannabinoids per Serving	53.993 mg/serving
Total Cannabinoids per Unit	1619.790 mg/unit
Total Cannabinoids per Serving	53.993 mg/serving

#### **DENSITY TEST RESULT**

0.9489 g/mL

Tested 04/27/2025

Method: QSP 7870 - Sample Preparation





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# **Microbiology Analysis**

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

Analysis conducted by  $3M^{\rm TM}$  Petrifilm  $^{\rm TM}$  and plate counts of microbiological contaminants.

**Method:** QSP 6794 - Plating with  $3M^{TM}$  Petrifilm<sup>TM</sup>

# MICROBIOLOGY TEST RESULTS (PCR) - 12/17/2024 PASS

COMPOUND	ACTION LIMIT	RESULT	RESULT
Salmonella spp.	Not Detected in 25g	ND	PASS
Shiga toxin-producing Escherichia coli	Not Detected in 25g	ND	PASS

## MICROBIOLOGY TEST RESULTS (PLATING) - 12/17/2024 PASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	RESULT
Coliforms	100	ND	PASS
Total Aerobic Bacteria	10000	ND	PASS
Total Yeast and Mold	1000	ND	PASS

## **NOTES**

Reason for Amendment: Order Detail Information Change