

# **Hemp Quality Assurance Testing**

### **CERTIFICATE OF ANALYSIS**

**DATE ISSUED 06/24/2025** 

#### SAMPLE DETAILS

SAMPLE NAME: Lake Effect Grape

Beverage, Hemp

**CULTIVATOR / MANUFACTURER** 

Business Name: License Number:

Address:

SAMPLE DETAIL

**Batch Number:** 250610.1 **Sample ID:** 250620R013

**DISTRIBUTOR / TESTED FOR** 

Business Name: Crested River

Cannabis Company License Number:

**Address:** 79 Vernon Ave Morgan MN 56266

**Date Collected:** 06/20/2025 **Date Received:** 06/20/2025

Batch Size:

Sample Size: 1.0 unit

Unit Mass: 473 milliliters per Unit

Serving Size: 236.5 milliliters per Serving





Scan QR code to verify authenticity of results.

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

Total THC: 47.7257 mg/unit

Total CBD: 0.5676 mg/unit

Sum of Cannabinoids: 48.2933 mg/unit

Total Cannabinoids: 48.2933 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))

Sum of Cannabinoids =  $\Delta^9$ -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa +  $\Delta^8$ -THC + CBL + CBN Total Cannabinoids =  $(\Delta^9$ -THC+0.877\*THCa) + (CBD+0.877\*CBDa) + (CBG+0.877\*CBGa) + (THCV+0.877\*THCVa) + (CBC+0.877\*CBCa) +

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

Density: 1.0467 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.

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), ug/g = ppm, ug/kg = ppb

LOC verticed by Alleen Arreoli Job Title: Senior Laboratory Analyst Date: 06/24/2025

Approved by: Josh Wurzer Job Title: Chief Compliance Officer Date: 06/24/2025



DATE ISSUED 06/24/2025





## 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: 47.7257 mg/unit

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

TOTAL CBD: 0.5676 mg/unit

Total CBD (CBD+0.877\*CBDa)

TOTAL CANNABINOIDS: 48.2933 mg/unit

 $\begin{array}{l} Total \ Cannabinoids \ (Total \ THC) + (Total \ CBD) + \\ (Total \ CBG) + (Total \ THCV) + (Total \ CBC) + \\ (Total \ CBDV) + \Delta^8 - THC + CBL + CBN \end{array}$ 

**TOTAL CBG: ND** 

Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: <LOQ** 

Total THCV (THCV+0.877\*THCVa)

TOTAL CBC: ND

Total CBC (CBC+0.877\*CBCa)

TOTAL CBDV: ND

Total CBDV (CBDV+0.877\*CBDVa)

#### **CANNABINOID TEST RESULTS - 06/24/2025**

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
Δ <sup>9</sup> -THC	0.0001 / 0.0011	±0.00554	0.1009	0.00964
CBD	0.0003 / 0.0008	±0.00004	0.0012	0.00011
Δ <sup>8</sup> -THC	0.0006 / 0.0015	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
THCV	0.0002 / 0.0009	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
THCa	0.0001 / 0.0004	N/A	ND	ND
THCVa	0.0001 / 0.0014	N/A	ND	ND
CBDa	0.0001 / 0.0020	N/A	ND	ND
CBDV	0.0002 / 0.0009	N/A	ND	ND
CBDVa	0.0001 / 0.0014	N/A	ND	ND
CBG	0.0001 / 0.0005	N/A	ND	ND
CBGa	0.0001 / 0.0005	N/A	ND	ND
CBL	0.0002 / 0.0008	N/A	ND	ND
CBN	0.0001 / 0.0005	N/A	ND	ND
СВС	0.0003 / 0.0008	N/A	ND	ND
CBCa	0.0001 / 0.0011	N/A	ND	ND
SUM OF CANNABINOIDS			0.1021 mg/mL	0.00975%

#### Unit Mass: 473 milliliters per Unit / Serving Size: 236.5 milliliters per Serving

$\Delta^9$ -THC per Unit	47.7257 mg/unit	
$\Delta^9$ -THC per Serving	23.8629 mg/serving	
Total THC per Unit	47.7257 mg/unit	
Total THC per Serving	23.8629 mg/serving	
CBD per Unit	0.5676 mg/unit	
CBD per Serving	0.2838 mg/serving	
Total CBD per Unit	0.5676 mg/unit	
Total CBD per Serving	0.2838 mg/serving	
Sum of Cannabinoids per Unit	48.2933 mg/unit	
Sum of Cannabinoids per Serving	24.1467 mg/serving	
Total Cannabinoids per Unit	48.2933 mg/unit	
Total Cannabinoids per Serving	24.1467 mg/serving	

#### **DENSITY TEST RESULT**

#### 1.0467 g/mL

Tested 06/24/2025

**Method:** QSP 7870 - Sample Preparation

#### **NOTES**

Sample serving mass provided by client. Sample unit mass provided by client.