

CERTIFICATE OF ANALYSIS | HEMP QUALITY ASSURANCE TEST



Sample Name:  
**1:5 Lollipop**

Infused, Hemp

Date Issued:  
**05/11/2023**



(<https://sclaboratories.s3.amazonaws.com/sc>)  
Q Hover to Zoom In

Serving Size:  
**17 grams**

Sample Details

Sample ID: 230508R013

Batch Number: NLI501

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Cultivator / Manufacturer

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Distributor / Tested For

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Cannabinoid Analysis - Summary

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Total THC: **1.649 mg/g**

Total CBD: **0.383 mg/g**

Sum of Cannabinoids: **2.224 mg/g**

Total Cannabinoids: **2.186 mg/g**

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

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

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

$$\text{Sum of Cannabinoids} = \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$

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

Why are Sum of Cannabinoids and Total Cannabinoids calculated separately?



View Complete Test Results:

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 **Cannabinoid Analysis** Tested [Show Less](#)

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

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

Summary Cannabinoid Test Results | 05/11/2023

Total THC:  
**1.649 mg/g**  
( $\Delta^9$ -THC+0.877\*THCa)

Result Views

Table Pie Chart

Total CBD:  
**0.383 mg/g**  
(CBD+0.877\*CBDA)

Total Cannabinoids:    
**2.186 mg/g**

Total CBG: 0.085 mg/g  
Total CBG (CBG+0.877\*CBGa)

Total THCV: ND  
Total THCV (THCV+0.877\*THCVa)

Total CBC: 0.061 mg/g  
Total CBC (CBC+0.877\*CBCa)

Total CBDV: <LOQ  
Total CBDV (CBDV+0.877\*CBDVa)

Learn more

The cannabis plant contains dozens of active compounds called cannabinoids (<https://www.sclabs.com/cannab>). These compounds are the primary contributors to the psychoactive effects of cannabis.

Cannabinoid testing (<https://www.sclabs.com/cannab>) determines the potency of a sample to aid in dosage considerations.

Compound	LOD/LOQ (mg/g) <span style="border: 1px solid black; border-radius: 50%; padding: 2px;"> </span>	Measurement Uncertainty (mg/g) <span style="border: 1px solid black; border-radius: 50%; padding: 2px;"> </span>	Result (mg/g)	Result (%)
<b><math>\Delta^9</math> Tetrahydrocannabinol (<math>\Delta^9</math>THC)</b>	0.002 / 0.014	±0.0855	1.558	0.1558
<b>Cannabidiol (CBD)</b>	0.004 / 0.011	±0.0096	0.257	0.0257
<b>Cannabidiolic Acid (CBDA)</b>	0.001 / 0.026	±0.0041	0.144	0.0144
<b>Tetrahydrocannabinolic Acid (THCa)</b>	0.001 / 0.005	±0.0018	0.104	0.0104
<b>Cannabigerol (CBG)</b>	0.002 / 0.006	±0.0026	0.053	0.0053
<b>Cannabichromene (CBC)</b>	0.003 / 0.010	±0.0014	0.044	0.0044
<b>Cannabigerolic Acid (CBGa)</b>	0.002 / 0.007	±0.0008	0.037	0.0037
<b>Cannabichromenic Acid (CBCa)</b>	0.001 / 0.015	±0.0007	0.019	0.0019
<b>Cannabinol (CBN)</b>	0.001 / 0.007	±0.0002	0.008	0.0008
<b>Cannabidivarin (CBDV)</b>	0.002 / 0.012	N/A	<LOQ	<LOQ
<b>Cannabidivarinic Acid (CBDVa)</b>	0.001 / 0.018	N/A	<LOQ	<LOQ
<b><math>\Delta^8</math> Tetrahydrocannabinol (<math>\Delta^8</math>THC)</b>	0.01 / 0.02	N/A	ND	ND
<b>Tetrahydrocannabivarin (THCV)</b>	0.002 / 0.012	N/A	ND	ND
<b>Tetrahydrocannabivarinic Acid (THCVa)</b>	0.002 / 0.019	N/A	ND	ND
<b>Cannabicyclol (CBL)</b>	0.003 / 0.010	N/A	ND	ND

<b>SUM OF CANNABINOIDS</b>	<b>2.224 mg/g</b>	<b>0.2224%</b>
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Serving Size: 17 GRAMS

<b>Δ<sup>9</sup>-THC per Serving</b>	<b>26.486 mg/serving</b>
<b>Total THC Per Serving</b>	<b>28.033 mg/serving</b>
<b>CBD per Serving</b>	<b>4.369 mg/serving</b>
<b>Total CBD per Serving</b>	<b>6.511 mg/serving</b>
<b>Sum of Cannabinoids per Serving</b>	<b>37.808 mg/serving</b>
<b>Total Cannabinoids per Serving</b>	<b>37.162 mg/serving</b>

**COA ID: 230508R013-001**

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)

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