# ROSE CITY LABORATORIES
**(503) 307-0096**

# Analytical Test Report

Science First.     OLCC#: 010-1002112892C     ODA: AG-L1040657A
ORELAP ID: 4096     ISO 17025: AT-3065
**7200 Johnson Creek Blvd., Portland, OR 97206     (503) 307-0096**

## Non-OLCC CBD Lip Balm

**Lab ID:** 2309097-01

**High Desert Pure**
330-1045887IHH

**METRC Batch ID:**

**Date Sampled:** 09/19/23
**Date Printed:** 09/25/23

## Potency Analysis

Analytical Method: De Backer, Journal of Chromatography b.2009. 11.004 -
SOP 102 - Cannabinoids via High Performance Liquid Chromatography

| Cannabinoids | mg/g | LOQ | Notes |
|---|---|---|---|
| THCA | 0.0896 | 0.0494 | |
| delta 9-THC | < LOQ | 0.0494 | |
| delta 8-THC | < LOQ | 0.0494 | |
| CBDA | < LOQ | 0.0494 | |
| CBDVA | < LOQ | 0.0494 | |
| CBGA | < LOQ | 0.0494 | |
| CBD | 12.1 | 0.0494 | |
| CBDV | 0.0670 | 0.0494 | |
| CBG | < LOQ | 0.0494 | |
| CBN | 0.140 | 0.0494 | |
| CBC | < LOQ | 0.0494 | |
| Total CBG | < LOQ | 0.0494 | |
| Total Cannabinoids | 12.4 | 0.0494 | |

**Total THC**
**0.0786** mg/g

**Total CBD**
**12.1** mg/g

<LOQ - Results below the Limit of Quantitation
ORELAP accredited cannabinoid analytes include only CBDA , CBD, THCA, delta-9-THC, and delta-8-THC.
Acid form of THC/CBD are decarboxylated by heat, lose 12% of original mass as $CO_2$. Result = *bioactive*
"Total" Cannabinoid  accounts for decarboxylation and moisture content.  **Total THC = [(THCA×0.877) + Δ9THC] / (100%-MC)**

**Chris Griffey**
Lab Director

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330-1045887IHH                                        **Laboratory ID:** 2309097-01

# Quality Control
## Potency

**Batch:  B23I164 - Potency**

### Blank(B23I164-BLK1)

| Analyte | Result | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
|---|---|---|---|---|---|---|---|
| THCA | < LOQ | 0.0500 | mg/g | | 09/20/23  12:11 | 09/20/23  18:53 | |
| delta 9-THC | < LOQ | 0.0500 | mg/g | | 09/20/23  12:11 | 09/20/23  18:53 | |
| CBGA | < LOQ | 0.0500 | mg/g | | 09/20/23  12:11 | 09/20/23  18:53 | |
| CBDA | < LOQ | 0.0500 | mg/g | | 09/20/23  12:11 | 09/20/23  18:53 | |
| CBD | < LOQ | 0.0500 | mg/g | | 09/20/23  12:11 | 09/20/23  18:53 | |
| CBN | < LOQ | 0.0500 | mg/g | | 09/20/23  12:11 | 09/20/23  18:53 | |
| CBG | < LOQ | 0.0500 | mg/g | | 09/20/23  12:11 | 09/20/23  18:53 | |
| delta 8-THC | < LOQ | 0.0500 | mg/g | | 09/20/23  12:11 | 09/20/23  18:53 | |
| CBC | < LOQ | 0.0500 | mg/g | | 09/20/23  12:11 | 09/20/23  18:53 | |
| Total CBG | < LOQ | 0.0500 | mg/g | | 09/20/23  12:11 | 09/20/23  18:53 | |
| CBDVA | < LOQ | 0.0500 | mg/g | | 09/20/23  12:11 | 09/20/23  18:53 | |
| CBDV | < LOQ | 0.0500 | mg/g | | 09/20/23  12:11 | 09/20/23  18:53 | |

### LCS(B23I164-BS1)

| Analyte | % Recovery | LOQ | Units | %Recovery Limits | Extracted | Analyzed | Notes |
|---|---|---|---|---|---|---|---|
| THCA | 102 | 0.0512 | mg/g | 90-110 | 09/20/23  12:11 | 09/20/23  19:08 | |
| delta 9-THC | 101 | 0.0512 | mg/g | 90-110 | 09/20/23  12:11 | 09/20/23  19:08 | |
| CBDA | 102 | 0.0512 | mg/g | 90-110 | 09/20/23  12:11 | 09/20/23  19:08 | |
| CBD | 109 | 0.0512 | mg/g | 90-110 | 09/20/23  12:11 | 09/20/23  19:08 | |
| delta 8-THC | 107 | 0.0512 | mg/g | 90-110 | 09/20/23  12:11 | 09/20/23  19:08 | |

**Chris Griffey**
Lab Director

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### Notes and Definitions

| | |
|---|---|
| B | Analyte detected in method blank, but not associated samples. |
| B2 | Analyte detected in sample and associate methold blank. |
| C | Interference due to co-elution. |
| D | Initial result exceeded calibration range, reported data are based on analysis of a dilution. |
| H | Non-homogenous samle matrix affecting RPD and/or QC. |
| I | Manual Integration was performed. |
| L | Duplicate sample relative precent difference (RPD) exceeds QC limits. |
| M | Anomalous results due to matrix interference |
| P | Peaks manually split. |
| Q1 | QC out of limits but still oK |
| Q2 | Quality Control outside QC limits. Data considered estimate. |
| Q3 | CCV was above the acceptance criteria. Non-detect samples are considered acceptable. |
| Q4 | CCV was below the acceptance criteria, however the sample still exceeds the regulatory limit. |
| R | Marginal Exceedence. |
| U | Reported result is an estimate. The analyte was detected above the calibration range. |
| X | Problems with initial analysis, reported data are from reinjection of prepared sample. |

<LOQ - Results below the Limit of Quantitation - Compound not detected

**Chris Griffey**
Lab Director