



SMITHERS

**Smithers AMS LLC**

790 Main St  
Wareham, MA 02571  
License #: IL281355  
Phone: 508-295-2550

# Certificate of Analysis



**Customer:** Real Isolates LLC

**Address:**

48 Dunham Ridge Rd  
Beverly MA 01915

**Phone:** 781-757-1996

**License #:** 25220200P

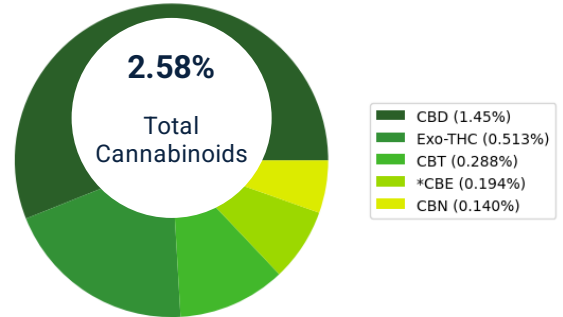


**Sample ID:** 10104  
**Sample Name:** ROLL-ON  
**Sample Type:** Topical  
**Received Date:** 01/25/2024  
**Report Date:** 01/30/2024  
**METRC ID:** N/A  
**Client Batch ID:** 230630-1 ROLL-ON  
**Client Sample Size:** 5.9 g  
**Unit Weight (g):** 8.77

## Results Summary

|  |        |
|--|--------|
| <b>Cannabinoids Extended</b><br>01/30/2024 | TESTED |
| <b>Heavy Metals</b><br>01/26/2024          | ✓ PASS |
| <b>Microbial Impurities</b><br>01/29/2024  | ✓ PASS |
| <b>Mycotoxins</b><br>01/29/2024            | ✓ PASS |

## Cannabinoid Distribution (%)



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10104.V1



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## Cannabinoids Extended

Date Started: 01/29/2024  
Instrument: UPLC-PDA

Date Completed: 01/30/2024  
Method: TP-09.001.05 & TP-09.013.01

Analyst: Yuemin Wang Kovaleff  
Deviation: N/A

| Cannabinoid               | Result (%)  | Result (mg/unit) | LOQ (mg/unit) |
|---------------------------|-------------|------------------|---------------|
| CBD                       | 1.45        | 127              | 0.263         |
| Exo-THC                   | 0.513       | 45.0             | 0.150         |
| CBT                       | 0.288       | 25.3             | 0.0376        |
| *CBE                      | 0.194       | 17.0             | 0.0376        |
| CBN                       | 0.140       | 12.3             | 0.0376        |
| CBDVA                     | ND          | ND               | 0.0376        |
| CBDV                      | ND          | ND               | 0.0376        |
| CBDA                      | ND          | ND               | 0.0658        |
| CBGA                      | ND          | ND               | 0.0376        |
| CBG                       | ND          | ND               | 0.0376        |
| Δ9-THCV                   | ND          | ND               | 0.0376        |
| Δ8-THCV                   | ND          | ND               | 0.0376        |
| THCVA                     | ND          | ND               | 0.0376        |
| CBNA                      | ND          | ND               | 0.0376        |
| Δ9-THC                    | ND          | ND               | 0.0658        |
| Δ8-THC                    | ND          | ND               | 0.0376        |
| CBL                       | ND          | ND               | 0.0376        |
| THCA-A                    | ND          | ND               | 0.0658        |
| CBC                       | ND          | ND               | 0.0376        |
| CBCA                      | ND          | ND               | 0.0376        |
| CBLA                      | ND          | ND               | 0.0376        |
| *CBND                     | ND          | ND               | 0.0376        |
| <b>Total THC</b>          | <b>ND</b>   | <b>ND</b>        |               |
| <b>Total CBD</b>          | <b>1.45</b> | <b>127</b>       |               |
| <b>Total Cannabinoids</b> | <b>2.58</b> | <b>227</b>       |               |

Total THC = Δ9-THC + (THCA-A x 0.877)

Total CBD = CBD + (CBDA x 0.877)

Total Cannabinoids = Sum of all cannabinoids without THC/CBD corrections.

LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected.

## Heavy Metals

**PASS**

Date Started: 01/26/2024  
Instrument: ICP-MS

Date Completed: 01/26/2024  
Method: TP-09.007.01

Analyst: Meagan Mattos  
Deviation: N/A

| Heavy Metals | LOQ (ppb) | Limit (ppb) | Status |
|--------------|-----------|-------------|--------|
| Arsenic      | 53.4      | 200         | Pass   |
| Cadmium      | 53.4      | 200         | Pass   |
| Lead         | 53.4      | 500         | Pass   |
| Mercury      | 26.7      | 100         | Pass   |

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## Microbial Impurities

✓ PASS

Date Started: 01/25/2024  
Instrument: TEMPO & Gene-Up

Date Completed: 01/29/2024  
Method: TP-09.010.01 & TP-09.011.01

Analyst: Lana Rivera  
Deviation: N/A

| Microbials                           | Limit (CFU/g) | Status |
|--------------------------------------|---------------|--------|
| Coliforms                            | 1000          | Pass   |
| Bile-Tolerant Gram-Negative Bacteria | 1000          | Pass   |
| Yeast & Mold                         | 10000         | Pass   |
| Aerobic Bacteria                     | 100000        | Pass   |
| E.coli                               |               | Pass   |
| Salmonella                           |               | Pass   |

## Mycotoxins

✓ PASS

Date Started: 01/26/2024  
Instrument: LC-MS/MS

Date Completed: 01/29/2024  
Method: TP-09.009.04

Analyst: Yuemin Wang Kovaleff  
Deviation: N/A

| Mycotoxins              | LOQ (ppb)   | Limit (ppb) | Status      |
|-------------------------|-------------|-------------|-------------|
| Aflatoxin B1            | 4.42        |             |             |
| Aflatoxin B2            | 3.32        |             |             |
| Aflatoxin G1            | 3.32        |             |             |
| Aflatoxin G2            | 4.42        |             |             |
| Ochratoxin A            | 3.32        |             |             |
| <b>Total Mycotoxins</b> | <b>3.32</b> | <b>20.0</b> | <b>Pass</b> |

Eric Steele, Lab Director  
01/30/2024

END OF REPORT

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