

Analysis ID No. 201473

**CERTIFICATE OF ANALYSIS**

TDA License No. 2020002

ISO/IEC No. 1055838

STATUS: **RELEASED** REVISION: 00

DATE: 10/05/2020

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| CUSTOMER INFORMATION                           | SAMPLE INFORMATION                             |
|--|--|
| <b>Company Name:</b>                           | <b>Submitted Sample Name:</b>                  |
| LAMA Herbal Solutions                          | Cool Relief Roll On, 200 mg CBD per 3 oz       |
| <b>Address:</b>                                | <b>Submitted Sample Lot:</b>                   |
| 3386 Palmhill Ln; Cincinnati, OH 45239         | ROPF11   |
| <b>Phone Number:</b>                           | <b>Submitted Sample Description:</b>           |
| 513-557-8355                                   | CBD Topical In Sealed Container                |
| <b>Contact Name / Email:</b>                   | <b>Submitted Sample Product Type / Matrix:</b> |
| Laura McCarthy / lamaherbalsolutions@gmail.com | Topical, Cosmetic / Balm                       |

| TOTAL THC ASSAY                                  |             |            |  |              |                  |
|--|-------------|------------|--|--------------|------------------|
| Analysis   | Test Method | LOQ        | Specifications   | Test Results | Pass / Fail      |
| ∆9-THC   | UHPLC-DAD   | 0.002 w/w% | w/w%: NMT 0.300 mg/g:<br>NMT 3.0<br>(∆9-THC States Only) | ND           | PASS             |
| THCa   | UHPLC-DAD   | 0.002 w/w% | w/w%: Report Only<br>mg/g: Report Only                   | ND           | Results Reported |
| Total THC  | UHPLC-DAD   | 0.002 w/w% | w/w%: NMT 0.300<br>mg/g: NMT 3.0                         | ND           | PASS             |
| Measurement Uncertainty (MU) = 0.02% at 0.3% THC |             |            |  |              |                  |

| LABEL CLAIM           |             |            |   |                            |                  |
|-----------------------|-------------|------------|---|----------------------------|------------------|
| Analysis              | Test Method | LOQ        | Specifications                                      | Test Results               | Pass / Fail      |
| CBD                   | UHPLC-DAD   | 0.002 w/w% | mg/g: Report Only mg/Unit:<br>180.0 – 220.0 mg/Unit | 2.50 mg/g<br>212.4 mg/Unit | Results Reported |
| CBD                   | UHPLC-DAD   | 0.002 w/w% | % Label Claim: 90.0 to 110.0%<br>Target: 100%       | 106.2%                     | PASS             |
| Unit Mass: 85.0 grams |             |            |   |                            |                  |

| CANNABINOIDS ASSAY |             |            |  |                         |                  |
|--------------------|-------------|------------|--|-------------------------|------------------|
| Analysis           | Test Method | LOQ        | Specifications                         | Test Results            | Pass / Fail      |
| CBD                | UHPLC-DAD   | 0.002 w/w% | w/w%: Report Only<br>mg/g: Report Only | 0.250 w/w%<br>2.50 mg/g | Results Reported |

|        |           |            |  |    |                  |
|--------|-----------|------------|--|----|------------------|
| CBDa   | UHPLC-DAD | 0.002 w/w% | w/w%: Report Only<br>mg/g: Report Only | ND | Results Reported |
| Δ9-THC | UHPLC-DAD | 0.002 w/w% | w/w%: Report Only<br>mg/g: Report Only | ND | Results Reported |
| THCa   | UHPLC-DAD | 0.002 w/w% | w/w%: Report Only<br>mg/g: Report Only | ND | Results Reported |
| CBN    | UHPLC-DAD | 0.002 w/w% | w/w%: Report Only<br>mg/g: Report Only | ND | Results Reported |

| TESTING FACILITY INFORMATION  | SAMPLE INFORMATION   |
|---|--|
| Santé Laboratories<br>8201 East Riverside Drive, STE 650<br>Austin, Texas 78744 USA | <b>Santé Sample ID:</b> 201473<br><b>Receipt Date:</b> 09/28/2020 / 1:00 PM CST / S. ORTEGA<br><b>Receipt Condition:</b> Good <b>Analysis Start Date:</b> 09/30/2020 |

DocuSign Envelope ID: 16D560C5-3DF1-4EDF-9453-759FC2D8EB21

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## ADDITIONAL REPORT NOTES

The reported results presented in this document is only applicable to samples submitted to Santé Laboratories for testing and may not represent the entire lot and/or batch produced by the manufacturer. Total Potential THC = (THC-A x 0.877) + (9-THC).  
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## VERSION HISTORY

| Version | Effective Date | Summary of Changes |
|---------|----------------|--------------------|
| 00      | 10/05/2020     | Initial Release    |

## PRODUCT SAMPLE / IMAGE



## REVIEWED AND APPROVED BY

|   |           |          |
|---|-----------|----------|
| DocuSigned by:  |           |          |
| <i>Brian R Sloat</i>  | 10/5/2020 | DD-MM-YY |
| <small>TDA7685D65C740B...</small>   |           |          |
| <b>Brian Sloat, Ph.D.</b><br>Chief Scientific Officer / Quality Manager<br>Santé Laboratories | Date      |          |

# CERTIFICATE OF ANALYSIS

## ISO/IEC 17025:2017 ACCREDITATION #103104



**Order #:** 61772  
**Order Name:** Roll On Pain Freeze 200mg  
**Batch#:** ROPF11  
**Received:** 09/16/2020  
**Completed:** 09/18/2020

### Sample



|                      |                           |
|----------------------|---------------------------|
| <b>N/D</b><br>D9-THC | <b>0.24%</b><br>Total CBD |
|----------------------|---------------------------|

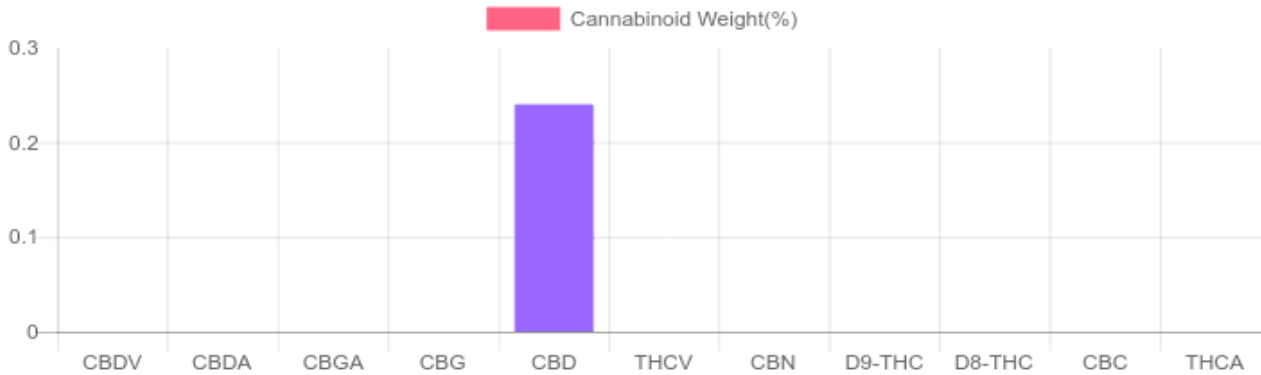
|  |                                 |
|--|---------------------------------|
| <b>211.8 mg</b><br>Cannabinoids per unit | <b>211.8 mg</b><br>CBD per unit |
|--|---------------------------------|

1 unit = 89 ml per unit x density (1) x Cannabinoid concentration

### Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA  
 GSL SOP 400      **PREPARED:** 09/17/2020 18:29:46      **UPLOADED:** 09/18/2020 12:46:25

| Cannabinoids       | LOQ    | weight(%)    | mg/g        | mg/unit      |
|--------------------|--------|--------------|-------------|--------------|
| D9-THC             | 10 PPM | N/D          | N/D         | N/D          |
| THCA               | 10 PPM | N/D          | N/D         | N/D          |
| CBD                | 10 PPM | <b>0.24%</b> | <b>2.38</b> | <b>211.8</b> |
| CBDA               | 20 PPM | N/D          | N/D         | N/D          |
| CBDV               | 20 PPM | N/D          | N/D         | N/D          |
| CBC                | 10 PPM | N/D          | N/D         | N/D          |
| CBN                | 10 PPM | N/D          | N/D         | N/D          |
| CBG                | 10 PPM | N/D          | N/D         | N/D          |
| CBGA               | 20 PPM | N/D          | N/D         | N/D          |
| D8-THC             | 10 PPM | N/D          | N/D         | N/D          |
| THCV               | 10 PPM | N/D          | N/D         | N/D          |
| TOTAL D9-THC       |        | <b>N/D</b>   | <b>N/D</b>  | <b>N/D</b>   |
| TOTAL CBD*         |        | <b>0.24%</b> | <b>2.38</b> | <b>211.8</b> |
| TOTAL CANNABINOIDS |        | <b>0.24%</b> | <b>2.38</b> | <b>211.8</b> |

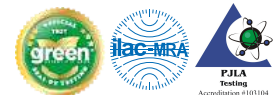


Reporting Limit 100 ppm  
 \*Total CBD = CBD + CBDA x 0.877  
 N/D - Not Detected, B/LOQ - Below Limit of Quantification

Dr. Andrew Hall, Ph.D., Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

**Green Scientific Labs**  
 info@greenscientificlabs.com  
 1-833 TEST CBD



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