

# F.A.S.T.

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## CERTIFICATE OF ANALYSIS

**Project:** CBD

**Customer ID:** 78362232

**Harvest/Extract Lot:**

**Order ID:** 2019000531

**Customer Name:** Alternative Remedies **Harvest/Extract Date:**

**Cultivar (Strain):** Pain Roll-On

**Lab ID:** 2019001904

**Sample Matrix:** Lotion/Salve

**Sample Date:** 02/25/2019

**Date Received:** 02/25/2019

**Date Completed:** 03/04/2019

**Remarks:**

**Analysis Date/Time:** 02-28-2019 0340

**Method:** HPLC/UV

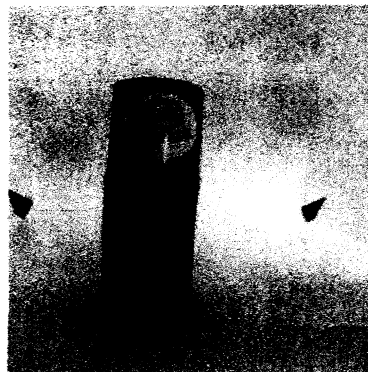
**Moisture Content (%):** -

**Analyst:** KWF

**Instrument:** Agilent 1100

**Water Activity (aw):** - / at - °C

| <u>Cannabinoid</u> | <u>Result (%)</u> | <u>Result (mg/g)</u> | <u>Reporting Limit (mg/g)</u> | <u>Per Unit (mg)</u> |
|--------------------|-------------------|----------------------|-------------------------------|----------------------|
| CBD                | 0.0036            | 0.036                | 0.010                         | 1.07                 |
| CBDa               | 0.0715            | 0.715                | 0.010                         | 21.4                 |
| CBDv               | <RL               | <RL                  | 0.010                         | -                    |
| Δ9-THC             | <RL               | <RL                  | 0.010                         | -                    |
| Δ8-THC             | <RL               | <RL                  | 0.010                         | -                    |
| THCa               | 0.110             | 1.10                 | 0.010                         | 32.9                 |
| CBC                | <RL               | <RL                  | 0.010                         | -                    |
| CBG                | <RL               | <RL                  | 0.010                         | -                    |
| CBGa               | 0.0051            | 0.051                | 0.010                         | 1.52                 |
| CBN                | <RL               | <RL                  | 0.010                         | -                    |
| <b>TOTAL</b>       | <b>0.190</b>      | <b>1.90</b>          |                               | <b>56.9</b>          |



**UNIT MASS (g):** 30.0

**TOTAL THC**

0.0960 0.960

28.8

**TOTAL CBD**

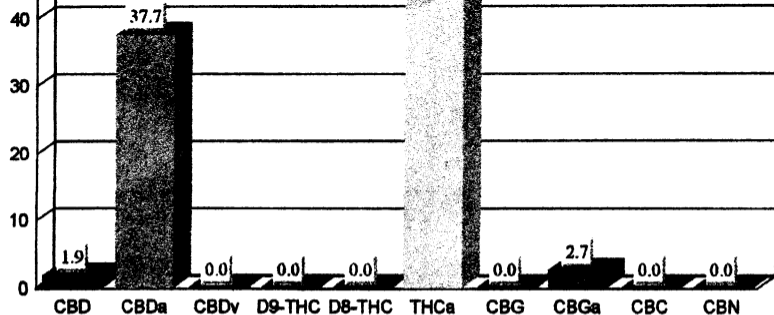
0.0662 0.662

19.9

*Deviations from standard operating procedure: None*

**Cannabinoid Distribution**

*Recoveries for all analyte standards: 90-110%  
 Replicate Uncertainties: <5% RSD, <20% RPD*



$$\text{Total THC} = (\text{THCa} \times 0.877) + \text{THC}$$

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

Percentage results are reported by mass.  
mg/g results are reported as mass component per mass material.

*Abbreviations:* UV - Ultraviolet, HPLC - High Pressure Liquid Chromatography, RL - Reporting Limit, RPD - Relative Percent Difference, RSD - Relative Standard Deviation

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Results are applicable only for the sample(s) analyzed and for the specific analysis conducted.  
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