



Royal Labs Natural Cosmetics, Inc.  
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## Certificate of Analysis

### Order Information

Customer: Stono Creek Apothecary  
Product Name: Sports Cream (with CBD)  
Purchase Order #: N/A  
Quantity: 100 100ml Bottle

### Batch Information

Date of Manufacture: 09-20-2018  
Lot Number: 20180918  
Fill Date Code: 18267 EXP 09-2020

<u>Analysis Specification</u>	<u>Range Specification</u>	<u>Actual Specification</u>	<u>Result</u>
Viscosity (spindle 6 @ 12rpm)	35,000-55,000	48,500	Pass
pH Value	4.0-5.0	4.54	Pass
Color	White	White	Pass
Appearance @ 25°C	Viscous Cream	Viscous Cream	Pass
Odor/Scent	Menthol & Eucalyptus	Menthol & Eucalyptus	Pass
Specific Gravity @ 25°C	0.9-1.1	0.9779	Pass
Lot Code/Fill Date Code	Present, correctly placed, legible, correct	Present, correctly placed, legible, correct	Pass

<u>Bioburden Specification</u>	<u>Range Specification</u>	<u>Actual Specification</u>	<u>Result</u>
Escherichia Coli	Not Detected (<10cfu/g)	Not Detected	Pass
Pseudomonas Aeruginosa	Not Detected (<10cfu/g)	Not Detected	Pass
Staphylococcus Aureus	Not Detected (<10cfu/g)	Not Detected	Pass
Candida Albicans	Not Detected (<10cfu/g)	Not Detected	Pass
Aspergillus Niger	Not Detected (<10cfu/g)	Not Detected	Pass
APC (Total Aerobic Plate Count)	<10cfu/g	<10cfu/g	Pass
MPC (Total Combined Mold-Yeast Plate Count)	<10cfu/g	<10cfu/g	Pass



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### Cannabinoid Analysis

#### Identification

#### **Cannabinoid**

Cannabidiolic Acid (CBDA)

Cannabidiol (CBD)

Cannabidivarin (CBDV)

Tetrahydrocannabinolic Acid (THCA)

$\Delta$ -9-Tetrahydrocannabinol ( $\Delta$ -9-THC)

Cannabinol (CBN)

Cannabichromene (CBC)

#### **Method**

**HPLC-DAD**

HPLC-DAD

HPLC-DAD

HPLC-DAD

HPLC-DAD

HPLC-DAD

HPLC-DAD

HPLC-DAD

#### **Actual Result**

**%wt/wt**

Not Detected

99.50%

0.18%

Not Detected

Not Detected

Not Detected

Not Detected

#### **Result**

**Pass**

**Pass**

**Pass**

**Pass**

**Pass**

**Pass**

**Pass**

COA Approved by:

Quality Control Technician

Date: 11-05-2018