

## CERTIFICATE OF ANALYSIS

CS0816\_212191-001\_C

Cannabinoids

Revised

**Client Sample ID:**

**Lot#011121A**

**Vital Plan**

**Sample Description:**

**Muscle&Joint Rub (X2)**

**1122 Oberlin Rd. Suite 232**

**Raleigh, NC**

**Receive sample:**

**30-Mar-21**

**Initiate analyses:**

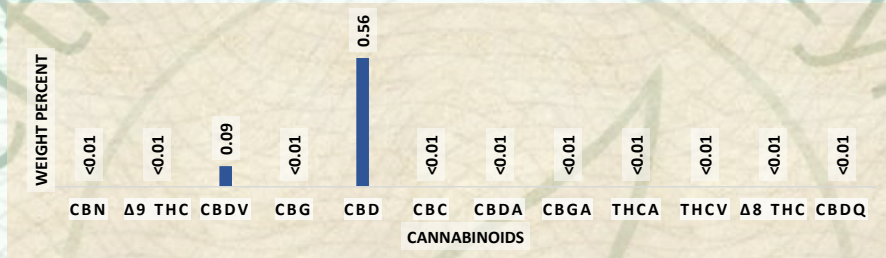
**31-Mar-21**

Analyst: Dave Minser	Analyst Signature: 	Analyst Date: Apr 8, 2021
Reviewed by: Kara Pierce	Reviewer Signature:  <small>Kara Pierce (Apr 8, 2021 15:16 EDT)</small>	Reviewer Date: Apr 8, 2021

**Test Type:** Total Cannabinoid Profile

**Technical Procedure:** A0033, A0049, A0091

**Results:**



Cannabinoid	MoU (+/-)	% Weight	Concentration (mg/g)	Concentration (mg/21.3g)
CBN	NA	<0.01	<0.10	<2.13
Δ9 THC	NA	<0.01	<0.10	<2.13
CBDV	0.0036	0.09	0.90	19.17
CBG	NA	<0.01	<0.10	<2.13
CBD	0.0251	0.56	5.57	118.64
CBC	NA	<0.01	<0.10	<2.13
CBDA	NA	<0.01	<0.10	<2.13
CBGA	NA	<0.01	<0.10	<2.13
THCA	NA	<0.01	<0.10	<2.13
THCV	NA	<0.01	<0.10	<2.13
Δ8 THC	NA	<0.01	<0.10	<2.13
CBDQ	NA	<0.01	<0.10	<2.13
<b>* total THC</b>		<b>&lt;0.01</b>	<b>&lt;0.10</b>	<b>&lt;2.13</b>
<b>* total CBD</b>		<b>0.56</b>	<b>5.57</b>	<b>118.64</b>
<b>* total CBG</b>		<b>&lt;0.01</b>	<b>&lt;0.10</b>	<b>&lt;2.13</b>
<b>total</b>		<b>0.65</b>	<b>6.47</b>	<b>137.81</b>
<b>ratio: Total CBD/THC</b>		<b>NA</b>		



\* total THC is calculated by  $\Delta 9 \text{ THC} + 0.877 \times \text{THCA}$  \*total CBD is calculated by  $\text{CBD} + 0.877 \times \text{CBDA}$

\*total CBG is calculated by  $\text{CBG} + 0.878 \times \text{CBGA}$

Avazyme, Inc is ISO/IEC 17025:2017 accredited by PJLA (accreditation # 101161) for Microbiological and Chemical Testing

MoU "measurement of uncertainty"

Concentration of cannabinoids were determined by Shimadzu UHPLC/MS/MS and HPLC/UV LC2030 Plus with an Avazyme intra lab validated method utilizing certified reference standards for each chemical analyzed.

The result applies only to the sample listed on this certificate. Avazyme cannot guarantee that this sample is representative of the product/lot as a whole. Avazyme warrants that this study was performed in accordance with appropriate laboratory research practices and protocols for the sample submitted.

Avazyme is not responsible for Sponsor's use of the information or concepts generated as part of the study, and will not be liable for any loss or damage resulting from such use.



**PJLA  
Testing**

**ISO/IEC 17025:2017  
Accreditation # 101161**