

# Certificate of Analysis

**Sample ID:** 191206-002-003  
**Retention Sample ID:** 4,180  
**Client ID:** Oil Science  
**Client Address:** Unit 104, Radar Dad, 17 Queens Park Ave  
**Batch:** FL004208(Cinnamon CBD Oil 300 mg)  
**Date Receipt:** 2019/12/06 10:57:01  
**Date Report Released:** 2019/12/11 14:33:12  
**Sample Type:** Liquid  
**Package Condition:** Damaged  
**Received By:** JLEYGONIE  
**Sample Amount:** 30 gram  
**Tamper Proof:** Yes



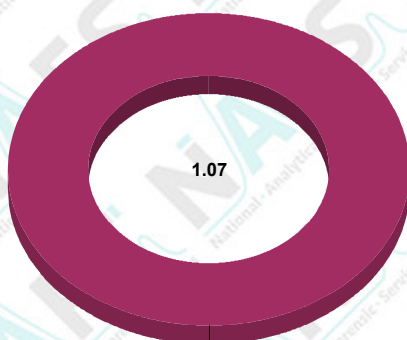
**Test Name:** Potency Cannabis(HPLC) (191206-002-003)

**Test Method:** \*TM006.3

**Specification:** USP Specification (Oral)

Analyte	Results	*Std Dev.	*Safety Limits
CBC	ND % Weight	% Weight	N/A
CBD	0.965 % Weight	+ - 0.063 % Weight	N/A
CBD-A	0.125 % Weight	+ - 0.011 % Weight	N/A
CBG	ND % Weight	% Weight	N/A
CBGA	ND % Weight	% Weight	N/A
CBN	ND % Weight	% Weight	N/A
Delta-9-THC	ND % Weight	% Weight	N/A
THC-A	ND % Weight	% Weight	N/A
Total Potential CBD	1.074 % Weight	+ - 0.072 % Weight	N/A
Total Potential THC	ND % Weight	% Weight	N/A

**Analyst:** Alexander Wrbka 2019/12/11 11:09:55



CBC	0.00
CBG	0.00
CBGA	0.00
CBN	0.00
Total Potential CBD	1.07
Total Potential THC	0.00
<b>Total:</b>	<b>1.07</b>

Total Potential CBD  
1.07

\*ND (Not Detected)

\*The current test method version is Validated

\*Standard Deviation (Uncertainty of measurement of applicable duplicate sample)

\*Safety Limits (Regulatory limits specified are according to the United States pharmacopeia where applicable)

**Test Name:** Residual Solvents Class 3 (USP467) (191206-002-003)

**Test Method:** \*TM003.3

**Specification:** USP Specification (Oral)

Analyte	Results	*Std Dev.	*Safety Limits
2-Butanol	ND ppm	ppm	< 5000 ppm <b>PASS</b>
Acetone	ND ppm	ppm	< 5000 ppm <b>PASS</b>
Butane	ND ppm	ppm	< 5000 ppm <b>PASS</b>
Methylethyl Ketone	ND ppm	ppm	< 5000 ppm <b>PASS</b>
Ethanol	ND ppm	ppm	< 5000 ppm <b>PASS</b>
Ethyl Acetate	ND ppm	ppm	< 5000 ppm <b>PASS</b>
Isopropanol	ND ppm	ppm	< 5000 ppm <b>PASS</b>
tert-Butylmethyl Ether	ND ppm	ppm	< 5000 ppm <b>PASS</b>

**Analyst:** Alexander Wrbka 2019/12/11 10:41:10

0.00

■ 2-Butanol	0.00
■ Acetone	0.00
■ Butane	0.00
■ Butanone	0.00
■ Ethanol	0.00
■ Ethyl Acetate	0.00
■ Isopropanol	0.00
■ tert-Butylmethyl Ether	0.00
Total:	0.00

\*ND (Not Detected)

\*The current test method version is Un-Validated

\*Standard Deviation (Uncertainty of measurement of applicable duplicate sample)

\*Safety Limits (Regulatory limits specified are according to the United States pharmacopeia where applicable)



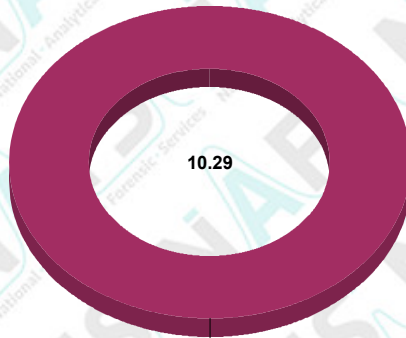
**Test Name:** Potency Cannabis Milligram Content (HPLC) (191206-002-003)

**Test Method:** \*TM006.3

**Specification:** USP Specification (Oral)

Analyte	Results	*Std Dev.	*Safety Limits
CBC	ND mg/mL	mg/mL	N/A
CBD	9.241 mg/mL	+/- 0.602 mg/mL	N/A
CBDA	1.196 mg/mL	+/- 0.100 mg/mL	N/A
CBG	ND mg/mL	mg/mL	N/A
CBGA	ND mg/mL	mg/mL	N/A
CBN	ND mg/mL	mg/mL	N/A
THC	ND mg/mL	mg/mL	N/A
THCA	ND mg/mL	mg/mL	N/A
Total Potential CBD	10.290 mg/mL	+/- 0.692 mg/mL	N/A
Total Potential THC	ND mg/mL	mg/mL	N/A

**Analyst:** Alexander Wrbka 2019/12/11 13:47:10



■ CBC	0.00
■ CBG	0.00
■ CBGA	0.00
■ CBN	0.00
■ Total Potential CBD	10.29
■ Total Potential THC	0.00
<b>Total:</b>	<b>10.29</b>

Total Potential CBD  
10.29

\*ND (Not Detected)

\*The current test method version is Validated

\*Standard Deviation (Uncertainty of measurement of applicable duplicate sample)

\*Safety Limits (Regulatory limits specified are according to the United States pharmacopeia where applicable)

**Test Name:** Density (191206-002-003)

**Test Method:** \*TM007

**Specification:** USP Specification (Oral)

Analyte	Results	*Std Dev.	*Safety Limits
Density	958.000 mg/mL	+ - 2.828 mg/mL	N/A
Sample Weight	47.900 mg	+ - 0.141 mg	N/A

**Analyst:** Alexander Wrbka 2019/12/10 15:03:25

\*ND (Not Detected)

\*The current test method version is Un-Validated

\*Standard Deviation (Uncertainty of measurement of applicable duplicate sample)

\*Safety Limits (Regulatory limits specified are according to the United States pharmacopeia where applicable)



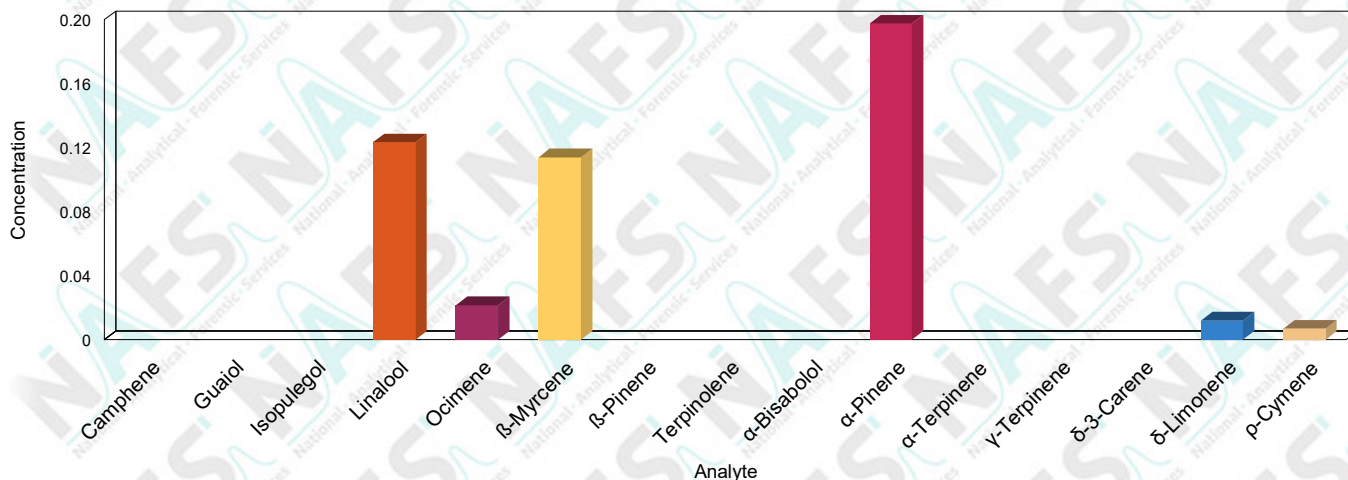
**Test Name:** Terpenes (191206-002-003)

**Test Method:** \*TM003.5

**Specification:** USP Specification (Oral)

Analyte	Results	*Std Dev.	*Safety Limits
Camphene	ND mg/g	mg/g	N/A
Guaiol	ND mg/g	mg/g	N/A
Isopulegol	ND mg/g	mg/g	N/A
Linalool	0.124 mg/g	+ - 0.001 mg/g	N/A
Ocimene	0.022 mg/g	+ - 0.001 mg/g	N/A
β-Myrcene	0.114 mg/g	+ - 0.004 mg/g	N/A
β-Pinene	ND mg/g	mg/g	N/A
Terpinolene	ND mg/g	mg/g	N/A
α-Bisabolol	ND mg/g	mg/g	N/A
α-Pinene	0.198 mg/g	+ - 0.011 mg/g	N/A
α-Terpinene	ND mg/g	mg/g	N/A
γ-Terpinene	ND mg/g	mg/g	N/A
δ-3-Carene	ND mg/g	mg/g	N/A
δ-Limonene	0.012 mg/g	mg/g	N/A
ρ-Cymene	0.007 mg/g	mg/g	N/A

**Analyst:** Alexander Wrbka 2019/12/11 14:31:16



\*ND (Not Detected)

\*The current test method version is Un-Validated

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\*Safety Limits (Regulatory limits specified are according to the United States pharmacopeia where applicable)

## Interpretations and Opinions:

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Sample leak was noticed upon delivery.

*It should be noted that NAFS will only analyze the sample/s received. This sample cannot be regarded as representative of entire batch or crop. It is the responsibility of the client to ensure a representative sample is taken in an appropriate tamper proof sample container. NAFS cannot be held liable for negligent handling, storage and transport of client samples, prior to receipt. Any complaints may be directed toward NAFS using [info@nafs.co.za](mailto:info@nafs.co.za) (QA005)*

## Technical Signatory

**Released By:** Jeanette Leygonie

**Released On:** 2019/12/11 14:33:12

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