

# Certificate of Analysis

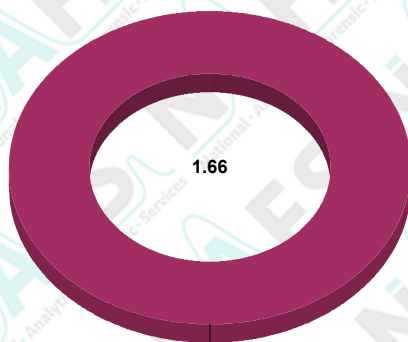
**Sample ID:** 201001-001-011  
**Retention Sample ID:** 6,852  
**Client (Code) Name:** (CAN0079) Oil Science (Pty) Ltd.  
**Client Address:** Unit 104, Radar Dad, 17 Queens Park Ave  
**Batch:** 600mg Cinnamon  
**Date Receipt:** 2020/10/01 10:55:22  
**Date Report Released:** 2020/10/08 15:01:39  
**Sample Type:** Infusion  
**Package Condition:** Intact  
**Received By:** AWRBKA  
**Sample Amount:** 30 gram  
**Tamper Proof:** Yes



**Test Name:** Potency Cannabis(HPLC) (201001-001-011)  
**Specification:** N/A  
**Test Method:** \*TM006.3  
**Sampling Method:** SH007

Analyte	Results	*Std Dev.	*Safety Limits
CBC	ND % Weight	% Weight	N/A
CBD	1.664 % Weight	+ - 0.107 % Weight	N/A
CBD-A	ND % Weight	% Weight	N/A
CBD-V	ND % Weight	% Weight	N/A
CBG	ND % Weight	% Weight	N/A
CBG-A	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
THC-V	ND % Weight	% Weight	N/A
Total Potential CBD	1.664 % Weight	+ - 0.107 % Weight	N/A
Total Potential THC	ND % Weight	% Weight	N/A

**Analyst:** Alexander Wrbka 2020/10/06 09:37:40



Total Potential CBD  
1.66

CBC	0.00
CBG	0.00
CBGA	0.00
CBN	0.00
Total Potential CBD	1.66
Total Potential THC	0.00
<b>Total:</b>	<b>1.66</b>

\*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) (201001-001-011)

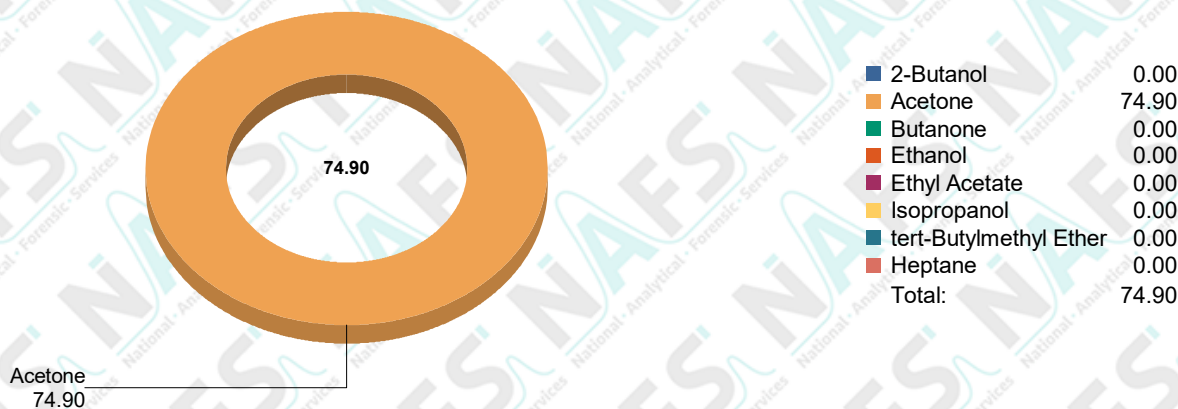
**Specification:** USP Specification (Oral)

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

**Sampling Method:** SH007

Analyte	Results	*Std Dev.	*Safety Limits
2-Butanol	ND ppm	ppm	< 5000 ppm <b>PASS</b>
Acetone	74.902 ppm <b>OR</b>	+ - 3.468 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>
Heptane	ND ppm	ppm	< 5000 ppm <b>PASS</b>
Isopropanol	ND ppm	ppm	< 5000 ppm <b>PASS</b>
Pentane	ND ppm	ppm	< 5000 ppm <b>PASS</b>
tert-Butylmethyl Ether	ND ppm	ppm	< 5000 ppm <b>PASS</b>

**Analyst:** Thembani Twala 2020/10/07 16:58:53



\*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)

\*OR (Outside Range) For quantitative analysis, calibration range is the concentration within which the analysis method is accurate. For limit tests the a single point calibration is employed with a range of +-15% across the specification limit. An OR analyte flag signifies that only semi-quantitative data has been reported.



**Test Name:** Potency Cannabis Milligram Content (HPLC) (201001-001-011)

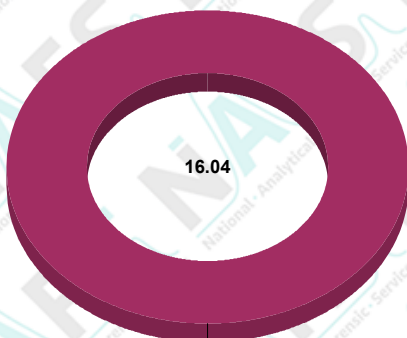
**Specification:** N/A

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

**Sampling Method:** SH007

Analyte	Results	*Std Dev.	*Safety Limits
CBC	ND mg/mL	mg/mL	N/A
CBD	16.036 mg/mL	+/- 1.035 mg/mL	N/A
CBD-A	ND mg/mL	mg/mL	N/A
CBD-V	ND mg/mL	mg/mL	N/A
CBG	ND mg/mL	mg/mL	N/A
CBG-A	ND mg/mL	mg/mL	N/A
CBN	ND mg/mL	mg/mL	N/A
THC	ND mg/mL	mg/mL	N/A
THC-A	ND mg/mL	mg/mL	N/A
THC-V	ND mg/mL	mg/mL	N/A
Total Potential CBD	16.036 mg/mL	+/- 1.035 mg/mL	N/A
Total Potential THC	ND mg/mL	mg/mL	N/A

**Analyst:** Alexander Wrbka 2020/10/06 10:09:11



Total Potential CBD  
16.04

CBC	0.00
CBG	0.00
CBGA	0.00
CBN	0.00
Total Potential CBD	16.04
Total Potential THC	0.00
<b>Total:</b>	<b>16.04</b>

\*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 (201001-001-011)

**Specification:** N/A

**Test Method:** \*TM007

**Sampling Method:** SH007

Analyte	Results	*Std Dev.	*Safety Limits
Density	964.000 mg/mL	+/- 2.828 mg/mL	N/A
Sample Weight	48.200 mg	+/- 0.141 mg	N/A

**Analyst:** Alexander Wrbka 2020/10/05 12:41:19

\*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 (201001-001-011)

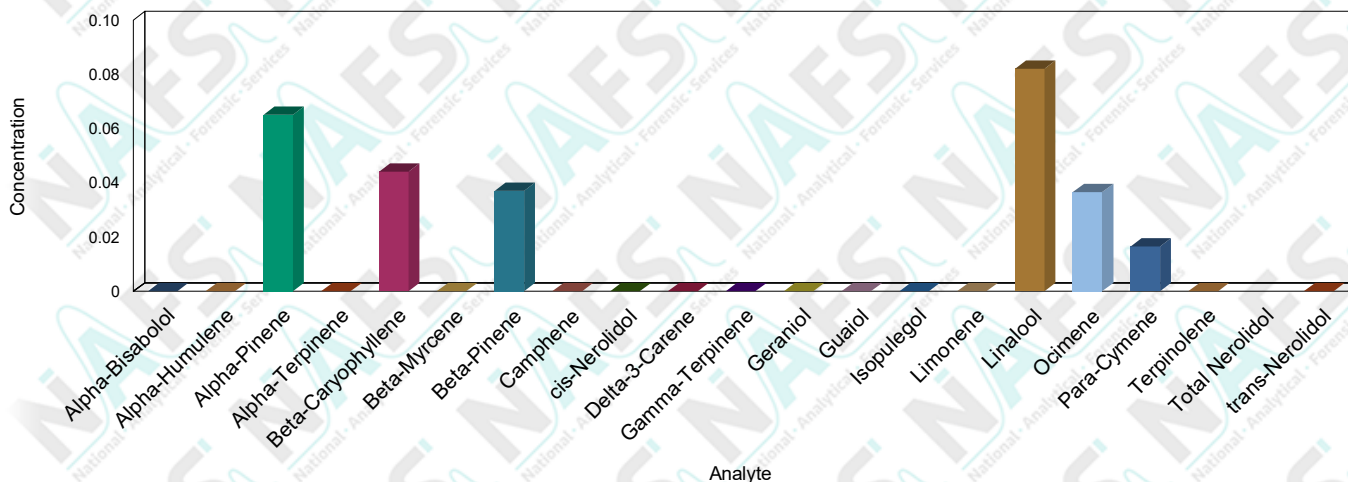
**Specification:** N/A

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

**Sampling Method:** SH007

Analyte	Results	*Std Dev.	*Safety Limits
Alpha-Bisabolol	ND mg/g	mg/g	N/A
Alpha-Humulene	ND mg/g	mg/g	N/A
Alpha-Pinene	0.065 mg/g	+ - 0.001 mg/g	N/A
Alpha-Terpinene	ND mg/g	mg/g	N/A
Beta-Caryophyllene	0.044 mg/g	+ - 0.001 mg/g	N/A
Beta-Myrcene	ND mg/g	mg/g	N/A
Beta-Pinene	0.037 mg/g	mg/g	N/A
Camphene	ND mg/g	mg/g	N/A
cis-Nerolidol	ND mg/g	mg/g	N/A
Delta-3-Carene	ND mg/g	mg/g	N/A
Gamma-Terpinene	ND mg/g	mg/g	N/A
Geraniol	ND mg/g	mg/g	N/A
Guaiol	ND mg/g	mg/g	N/A
Isopulegol	ND mg/g	mg/g	N/A
Limonene	ND mg/g	mg/g	N/A
Linalool	0.082 mg/g	+ - 0.001 mg/g	N/A
Ocimene	0.037 mg/g	+ - 0.001 mg/g	N/A
Para-Cymene	0.017 mg/g	+ - 0.001 mg/g	N/A
Terpinolene	ND mg/g	mg/g	N/A
Total Nerolidol	ND mg/g	mg/g	N/A
trans-Nerolidol	ND mg/g	mg/g	N/A

**Analyst:** Thembani Twala      2020/10/07 08:00:35



\*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)



**Interpretations and Opinions:**

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None

**Additions, Deviations & Exclusions:**

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None

*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 (QA005)*

**Quality Assurance Manager**

**Released By:** Jeanette Leygonie

**Released On:** 2020/10/08 15:01:39

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