

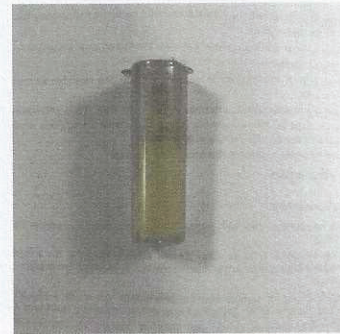


CERTIFICATE OF ANALYSIS

COUNTRY: SOUTH AFRICA

Certificate of Analysis

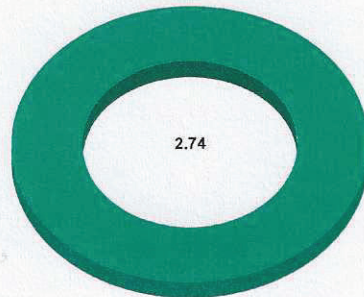
Sample ID: 190412-002-001
Description: 190412-002-CBD Direct-001 (CBD Oil)
Client ID: CBD Direct
Client Address: 25 Villa Rossine Complex, Dimond Street, Witfield
Batch: 001 (CBD Oil)
Date Receipt: 2019/04/12 10:43:49
Date Report Released: 2019/04/17 12:14:10
Sample Type: Liquid
Package Condition: Intact
Received By: J. Leygonie
Sample Amount: 1 gram
Tamper Proof: No



Test Name: Potency Cannabis(HPLC) (190412-002-001)
Test Method: TM006.3
Specification: Cannabis Oral

Analyte	Results	*Std Dev.	*Safety Limits
CBC	ND % Weight	% Weight	N/A
CBD	2.737 % Weight	+ - 0.232 % Weight	N/A
CBD-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
Total Potential CBD	2.737 % Weight	+ - 0.232 % Weight	N/A
Total Potential THC	% Weight	+ - 0.000 % Weight	N/A

Analyst: J Leygonie 2019/04/17 08:36:16



Total Potential CBD
2.74

■ CBC	0.00
■ CBN	0.00
■ Total Potential CBD	2.74
■ Total Potential THC	0.00
Total:	2.74



NAFS
109 Sovereign Drive
Route 21 Corporate Park
Centurion
0178

**ND (Not Detected)*

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

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

National • Analytical • Forensic • Services

Email: info@NAFS.co.za
Tel: 0878061635

Page 2 of 5

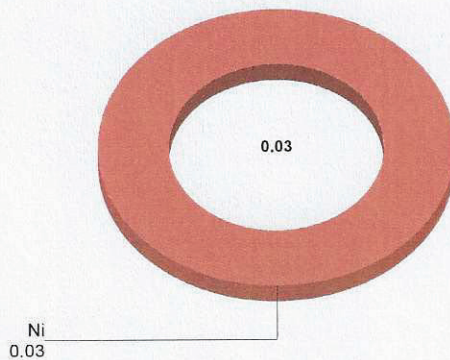
Test Name: Heavy Metal Class 1,2 Analysis (190412-002-001)

Test Method: TM005.2

Specification: Cannabis Oral

Analyte	Results	*Std Dev.	*Safety Limits
Silver	ND ppm	ppm	< 15 ppm PASS
Arsenic	ND ppm	ppm	< 0.1 ppm PASS
Gold	ND ppm	ppm	< 10 ppm PASS
Cadmium	ND ppm	ppm	< 0.5 ppm PASS
Cobalt	ND ppm	ppm	< 5 ppm PASS
Mercury	ND ppm	ppm	< 3 ppm PASS
Iridium	ND ppm	ppm	< 10 ppm PASS
Nickel	0.025 ppm OCR	+/- 0.000 ppm	< 20 ppm PASS
Osmium	ND ppm	ppm	< 10 ppm PASS
Lead	ND ppm	ppm	< 0.5 ppm PASS
Palladium	ND ppm	ppm	< 10 ppm PASS
Platinum	ND ppm	ppm	< 10 ppm PASS
Rhodium	ND ppm	ppm	< 10 ppm PASS
Ruthenium	ND ppm	ppm	< 10 ppm PASS
Selenium	ND ppm	ppm	< 15 ppm PASS
Thallium	ND ppm	ppm	< 0.8 ppm PASS
Vanadium	ND ppm	ppm	< 10 ppm PASS

Analyst: T Twala 2019/04/17 08:06:04



Ag	0.00
As	0.00
Au	0.00
Cd	0.00
Co	0.00
Hg	0.00
Ir	0.00
Ni	0.03
Os	0.00
Pb	0.00
Pd	0.00
Pt	0.00
Rh	0.00
Ru	0.00
Se	0.00
Tl	0.00
V	0.00
Total:	0.03

*ND (Not Detected)

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

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

*OCR (Outside Calibration Range) Calibration range is the concentration within which the analysis method is accurate.

Test Name: Potency Cannabis Milligram Content (HPLC) (190412-002-001)

Test Method: TM006.3

Specification: Cannabis Oral

Analyte	Results	*Std Dev.	*Safety Limits
CBC	mg/mL	+/- 0.000 mg/mL	N/A
CBD	35.007 mg/mL	+/- 2.966 mg/mL	N/A
CBDA	mg/mL	+/- 0.000 mg/mL	N/A
CBN	mg/mL	+/- 0.000 mg/mL	N/A
THC	mg/mL	+/- 0.000 mg/mL	N/A
THCA	mg/mL	+/- 0.000 mg/mL	N/A
Total Potential CBD	35.007 mg/mL	+/- 2.966 mg/mL	N/A
Total Potential THC	mg/mL	+/- 0.000 mg/mL	N/A

Analyst: J Leygonie 2019/04/17 08:36:18



*ND (Not Detected)

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

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



NAFS
109 Sovereign Drive
Route 21 Corporate Park
Centurion
0178

Test Name: Density (190412-002-001)
Test Method: TM007
Specification: Cannabis Oral

Analyte	Results	*Std Dev.	*Safety Limits
Density	1279.000 mg/mL	+ - 86.267 mg/mL	N/A
Sample Weight	63.950 mg	+ - 4.313 mg	N/A
		Analyst: HJ Viviers	2019/04/17 10:23:54

*ND (Not Detected)

*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:

None

Technical Signatory

Released By: HJ Viviers

Released On: 2019/04/17 12:14:10

This certificate of analysis shall not be reproduced except in full, without written approval of NAFS. The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful. The results obtained may be used for anonymous statistical research purposes.

National • Analytical • Forensic • Services

Email: info@NAFS.co.za
Tel: 0878061635