

Certificate of Analysis

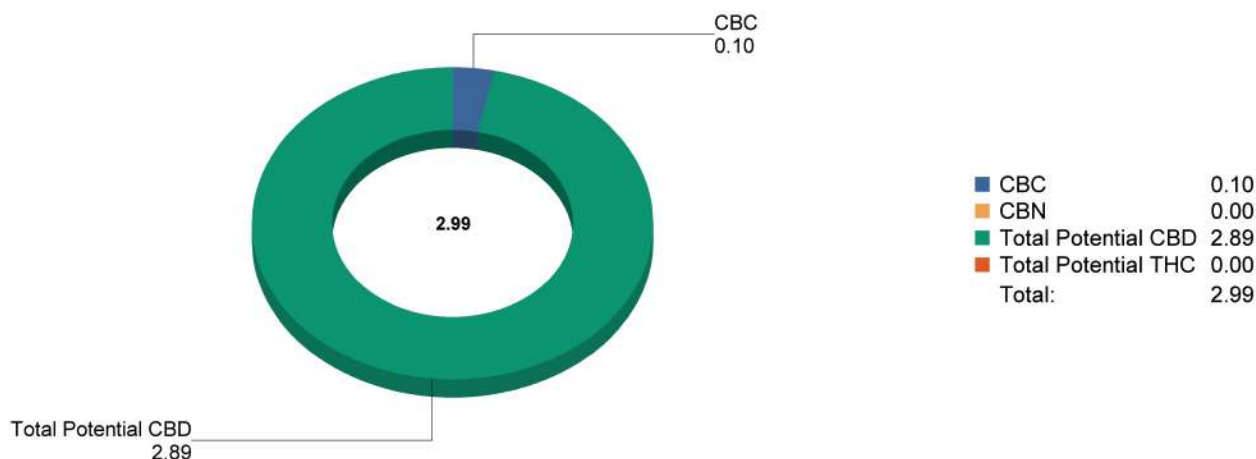
Sample ID: 190606-001-001
Description: 190606-001-Back To Roots-EXT001
Client ID: Back To Roots
Batch: EXT001
Date Receipt: 2019/06/06 10:04:08
Date Report Released: 2019/06/14 08:17:33
Sample Type: Extract
Package Condition: Intact
Received By: E Kloppers
Sample Amount: 2 gram



Test Name: Potency Cannabis(HPLC) (190606-001-001)
Test Method: TM006.3
Specification: Cannabis Oral

Analyte	Results	*Std Dev.	*Safety Limits
CBC	0.097 % Weight	+ - 0.003 % Weight	N/A
CBD	2.243 % Weight	+ - 0.037 % Weight	N/A
CBD-A	0.737 % Weight	+ - 0.006 % 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	2.889 % Weight	+ - 0.043 % Weight	N/A
Total Potential THC	ND % Weight	% Weight	N/A

Analyst: J Leygonie 2019/06/07 14:49:56





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)

Test Name: Residual Solvents Class 3 (USP467) (190606-001-001)

Test Method: TM003.3

Specification: Cannabis Oral

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

Analyst: T Twala 2019/06/11 08:05:09

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)

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

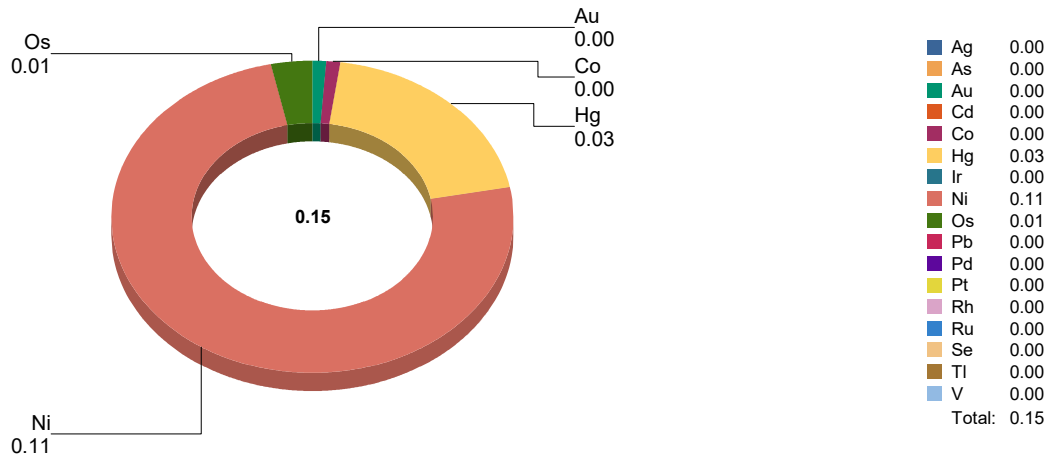
*Safety Limits (Regulatory limits specified are according to the United States pharmacopeia where applicable)

Test Name: Heavy Metal Class 1,2 Analysis (190606-001-001)

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	0.002 ppm OR	+ - 0.001 ppm	< 10 ppm PASS
Cadmium	ND ppm	ppm	< 0.5 ppm PASS
Cobalt	0.002 ppm OR	ppm	< 5 ppm PASS
Mercury	0.030 ppm OR	+ - 0.003 ppm	< 3 ppm PASS
Iridium	ND ppm	ppm	< 10 ppm PASS
Nickel	0.115 ppm OR	+ - 0.001 ppm	< 20 ppm PASS
Osmium	0.005 ppm OR	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: E Kloppers 2019/06/12 08:16:59



*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)

*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.



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Interpretations and Opinions:

None

Technical Signatory

Released By: HJ Viviers

Released On: 2019/06/14 08:17:33

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