



# Certificate of Analysis

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## Kanna Extract

### *Sceletium tortuosum* MT55 Extract

Material Lot #: 2209302350922      Test Date: 11-04-2022  
Country of Origin: South Africa      Re-Test Date: 11-01-2025

Analysis	Claim	Result
Mesembrine	≥3%	3.62%
Total Alkaloids	≥5%	6.67%

Test	Specification	Result
Lead	≤0.5ppm	<0.005 ppm
Mercury	≤0.5ppm	<0.005 ppm
Cadmium	≤0.5ppm	<0.005 ppm
Arsenic	≤0.5 ppm	<0.01 ppm
<b>Total Aerobic Plate Count</b>	<b>&lt;1000 cfu/g</b>	<b>&lt;10 cfu/g</b>
Yeast	<100 cfu/g	<10 cfu/g
Moulds	<100 cfu/g	<10 cfu/g
Escherichia coli	<10 cfu/g	<10 cfu/g
Coliforms	<10 cfu/g	<10 cfu/g
Salmonella	Negative	Negative
Staphylococcus aureus	<10 cfu/g	<10 cfu/g

Kanna Extract should be stored at or below room temperature in a tightly sealed durable container. Kanna Extract should be protected from excess heat, direct sunlight, excess humidity, and moisture. Kanna Extract has a retesting period of 3 years from the date of analysis when properly stored.

## Kanna Extract



### Main Benefits

- Kanna extract is a natural mood lifter which is known to promote a healthy sense of happiness and tranquility.
- Kanna extract is a mild SRI (Serotonin Reuptake Inhibitor).
- Furthermore, studies indicate that Kanna Extract can be used to enhance cognitive function and may reduce addictive nicotine cravings.

### Main Cautions

- Some reports have indicated that excessive amounts of Kanna can cause headaches and loss of appetite.
- Kanna Extract should be avoided if you are taking any medication for depression.
- Do not use this supplement without first consulting with your doctor if you are taking any medication or have any medical condition.

### Usage Tips

- A 0.15 cc measuring scoop is included. One rounded scoop contains approximately one serving, or approximately **50mg of Kanna Extract**. As a dietary supplement, take 1-2 servings up to 2 times a day. Start at the lower suggested quantity to assess response.
- The negative effects of Kanna Extract are dependent on the amount taken. Use of a scale with 10mg/0.01g accuracy or better is highly recommended.
- Use of capsules, or mixing with tea, yogurt, apple sauce, or oatmeal may help make the powder easier to tolerate.
- This supplement is not intended to treat, diagnose, prevent, or cure any diseases. Consult your healthcare provider before use if you have a medical condition or if you are taking any prescription medications.
- It is safe to stack Kanna Extract with other supplements, so long as the amount consumed does not exceed the suggested serving size.
- The benefits of Kanna Extract are most effective when they are supported by a healthy diet and plenty of exercise.

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**ANALYTICAL REPORT**

AR-22-QH-064334-01

Client Code: QH0000902  
PO#: 22091925180922

Received On: 28Oct2022  
Reported On: 04Nov2022

Synaptent

Quality Control Department (COA)  
425 BARCLAY BOULEVARD  
Lincolnshire, IL 60069

**ANALYTICAL REPORT**

AR-22-QH-064334-01

Client Code: QH0000902

PO#: 22091925180922

Received On: 28Oct2022  
Reported On: 04Nov2022

<b>Eurofins Sample Code:</b> 477-2022-10280594	<b>Sample Registration Date:</b> 28Oct2022
<b>Client Sample Code:</b> 22093025350922	<b>Condition Upon Receipt:</b> acceptable, 22.6°C
<b>Sample Description:</b> KANNA EXTRACT MT55	<b>Sample Reference:</b>

<b>FS001 - Heavy Metals (As, Cd, Hg, and Pb)</b>	<b>Reference</b> AOAC 2011.19, 993.14 and 2015.01 (modified)	<b>Accreditation</b>	<b>Completed</b> 04Nov2022	<b>Sub</b> 2
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<b>Parameter</b>	<b>Result</b>
Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	<5.00 ppb
Mercury	<5.00 ppb

<b>UM8VD - Total Coliforms - CMMEF Chapter 9.933</b>	<b>Reference</b> CMMEF Chapter 9.933	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 29Oct2022
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<b>Parameter</b>	<b>Result</b>
Coliforms	< 10 cfu/g

<b>Parameter</b>	<b>Result</b>
Escherichia coli	< 10 cfu/g

<b>UMDTC - Salmonella species - AOAC-R1 121501</b>	<b>Reference</b> AOAC-R1 121501	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 29Oct2022
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<b>Parameter</b>	<b>Result</b>
Salmonella	Not Detected per 25 g

<b>UMHBM - Staphylococcus aureus - BAM Chapter 12</b>	<b>Reference</b> BAM Chapter 12	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 30Oct2022
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<b>Parameter</b>	<b>Result</b>
Staphylococcus aureus	< 10 cfu/g

<b>UMIB1 - Yeast - FDA BAM Chapter 18 mod.</b>	<b>Reference</b> FDA BAM Chapter 18 mod.	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 02Nov2022
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<b>Parameter</b>	<b>Result</b>
Yeast	< 10 cfu/g

<b>Parameter</b>	<b>Result</b>
Moulds	< 10 cfu/g

<b>UMVSE - Aerobic Plate Count - CMMEF Chapter 8.72</b>	<b>Reference</b> CMMEF Chapter 8.72	<b>Accreditation</b> ISO/IEC 17025:2017 A2LA 3329.07	<b>Completed</b> 30Oct2022
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<b>Parameter</b>	<b>Result</b>
Aerobic Plate Count	< 10 cfu/g

Subcontracting partners:

- 1 - Eurofins SF Analytical DBA Craft Technologies, North Carolina
- 2 - Eurofins Food Chemistry Testing US Madison, WI

Respectfully Submitted,

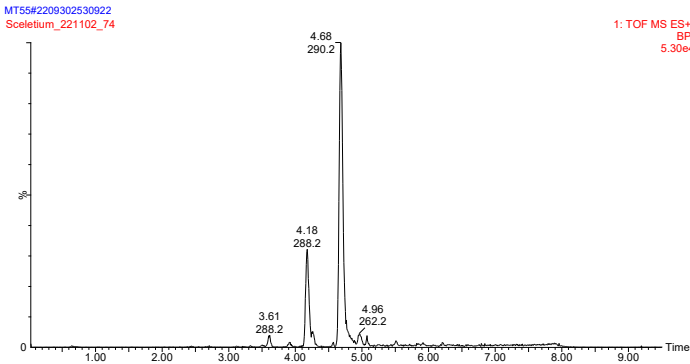
Bryan Dieckelmann  
Laboratory Operations Manager



Requested: Adam Ahmed  
Report No: Synaptent\_Sceletium\_221104  
Instrument: Waters Synapt G2, ESI probe, ESI Pos, Cone Voltage 15 V

Sample preparation: 0.5 g accurately weighed out and extracted with 10 ml methanol. After centrifugation, two dilutions were performed- 10x and 100x in glass vials ready for analysis by lcms.

Total ion chromatogram:



Quantify Sample Summary Report

Printed Fri Nov 04 08:53:00 2022

Sample Name: Scceletium\_221102\_74 Sample ID: MT55#2209302350922

#	Name	Trace	RT	Area	Conc. mg/kg	% m/m
1	delta-7-mesembrenone	288	3.61	107.31	1909.847	0.19
2	Mesembrenol	290	3.91	49.408	878.5398	0.09
3	Mesembranol	292	4.26	170.912	3044.844	0.30
4	Mesembrenone	288	4.18	1039.105	18772.11	1.88
6	Mesembrine	290	4.63	1118.275	36153.12	3.62
7	Scceletium_A4_1	325				0.00
8	Epimesembranol	292	6.31	47.625	846.8121	0.08
9	Scceletium A4_2	325	5.08	65.008	1156.211	0.12
10	O-Demethylmesembrenone	274	3.49	17.11	304.0849	0.03
11	O-Demethylmesembrine	276	3.72	7.136	126.8037	0.01
12	Dehydrojoubertamine	262	4.97	175.751	3131.29	0.31
13	O-acetylmesebrenol	332				0.00
14	Epimesembranol	290				0.00
16	O-acetylmesebrenol	334	5.6	23.699	421.2303	0.04

**MS Unit**

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