



LIFTMODE
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CERTIFICATE OF ANALYSIS

Kanna Extract (MT55) *(Sceletium tortuosum)*

Material Lot #: 06052017810420
Country of Origin: South Africa

Manufacture Date: 04/30/2020
Testing Date: 06/06/2020
Retesting Date: 06/06/2023

Analysis	Claim	Result
Kanna Extract	≥5% Alkaloids	8.00%
	≥3% Mesembrine	6.10%

Test	Specification	Result
Appearance	Fine Powder	Complies
Active Mesembrine	≥3%	6.1%
Lead	<3.0 mg/kg	Complies
Cadmium	<1.0 mg/kg	Complies
Mercury	<0.1 mg/kg	Complies
Yeast & Mold	<100 cfu/g	Complies
Total aerobic count	<1000 cfu/g	Complies
E.coli	<100 cfu/g	Not detected
Salmonella	Negative	Not detected

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 testing when properly stored.



Certificate of Analysis

Client:
Synaptent LLC
47 W Polk Street, 100-241
Chicago, IL 60654

Sample Collected By: Client

Product Name	Kanna	Product Lot Number	06052017810420
Report Date	06/06/20	Laboratory Number	20050316

Description	Method	Result
Mesembrine	HPLC	6.6%
Lead	ICP-MS	0.021 ppm
Arsenic	ICP-MS	0.007 ppm
Cadmium	ICP-MS	<0.001 ppm
Mercury	ICP-MS	<0.001 ppm
Total Aerobic Count	Biolumix	<100 cfu/g
Yeast and Mold	Biolumix	<100 cfu/g
E. Coli	Biolumix	<10 cfu/g
Coliform	Biolumix	<10 cfu/g
Salmonella	Biolumix	Negative

Collin Thomas
Laboratory Manager

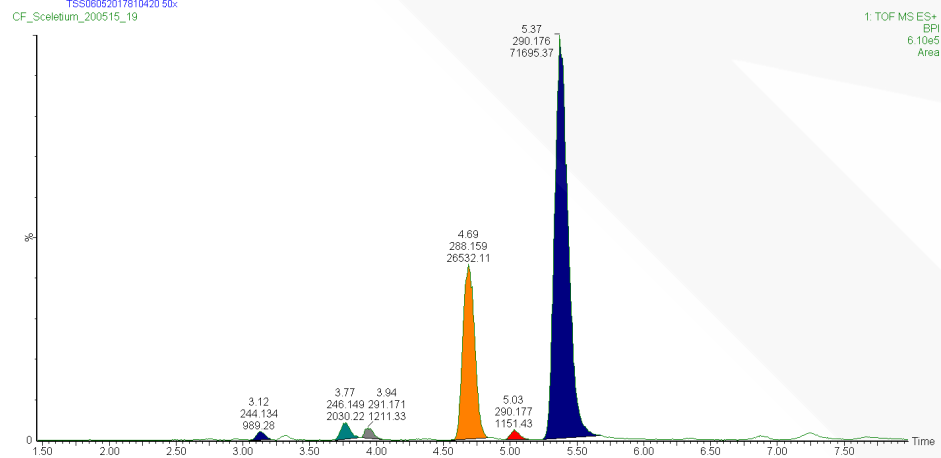
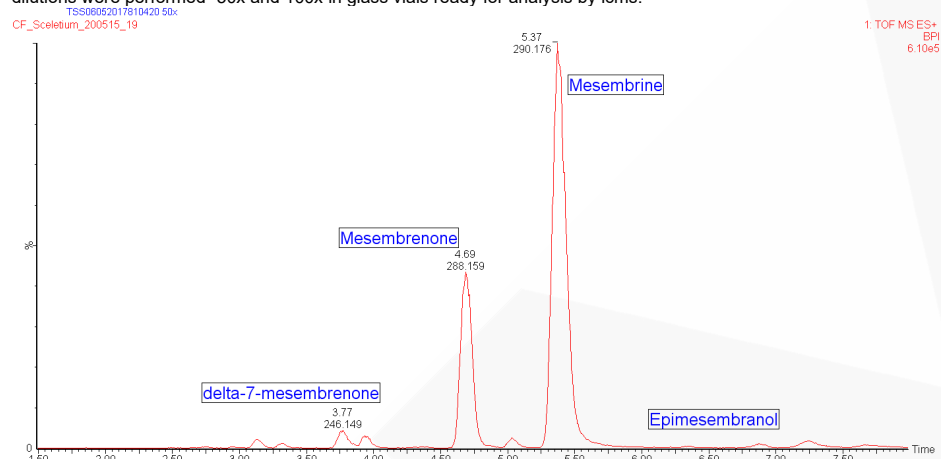
06/06/2020
Date

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Instrument: Waters Synapt G2, ESI probe, ESI Pos, Cone Voltage 15 V
 Column: Waters BEH C₁₈, 2.1 x 100mm, 1.7 μm
 Mobile phase: 0.1% NH₄OH in water to 0.1% NH₄OH in acetonitrile gradient

Sample preparation: 0.5 g accurately weighed out and extracted with 10ml methanol. After centrifugation, two dilutions were performed- 50x and 100x in glass vials ready for analysis by lcms.



MS Unit

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Area% of alkaloids only

Compound	RT	Area	%Area
Unknown	3.12	989.28	0.95
Δ7 mesembrenone	3.77	2030.217	1.96
Unknown	3.94	1211.333	1.17
Mesembrenone	4.69	26532.11	25.61
Mesembrenol	5.03	1151.426	1.11
Mesembrine	5.37	71695.37	69.20
Total		103609.7	100

Results:

Name	mg/Kg based on dried mass						
	Δ7 mesembrenone	Mesembrenol	Mesembranol	Mesembrenone	Mesembrine	Scelletium_A4_1	Epi-mesembranol
TSS06052017810420	72.6	444.2	1639.9	15581.4	61363.6	283.2	221.6

Name	g/100g based on dried mass						
	Δ7 mesembrenone	Mesembrenol	Mesembranol	Mesembrenone	Mesembrine	Scelletium_A4_1	Epi-mesembranol
TSS06052017810420	0.01	0.04	0.2	1.6	6.1	0.03	0.02

Conclusion

Results are expressed as a relative concentration to the response of mesembrine.