

LIFTMODE
47 W. Polk St. STE 100-241
Chicago, IL 60605

liftmode@liftmode.com
www.liftmode.com



Certificate of Analysis

Client:
Synaptent LLC

CERTIFICATE OF ANALYSIS

Kanna Extract (MT55)

(*Sceletium tortuosum*)

Material Lot #: 2403201690320
Country of Origin: South Africa
Manufacture Date: 03/19/2020
Testing Date: 04/30/2020
Retesting Date: 04/30/2023

Analysis	Claim	Result
Kanna Extract	≥5% Alkaloids	4.56%
	≥3% Mesembrine	3.83%


Test	Specification	Result
Appearance	Fine Powder	Complies
Active Mesembrine	≥3%	3.83%
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.

Sample Collected By: Client

Product Name	Kanna	Product Lot Number	2403201690320
Report Date	04/30/20	Laboratory Number	20040133

Description	Method	Result
Mesembrine	HPLC	5.3%
Lead	ICP-MS	0.077 ppm
Arsenic	ICP-MS	0.013 ppm
Cadmium	ICP-MS	0.003 ppm
Mercury	ICP-MS	<0.001 ppm
Total Aerobic Count	Biolumix	<100 cfu/g
Yeast and Mold	Biolumix	<100 cfu/g
E. Coli	Biolumix	Absent
Coliform	Biolumix	<10 cfu/g
Salmonella	Biolumix	Absent


Collin Thomas
Laboratory Manager

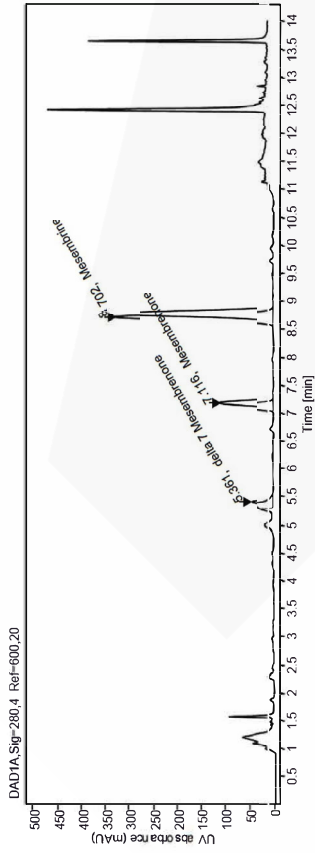
04/30/2020 4/30/20
Date

The result(s) stated in this report is only for the sample submitted. This report may not be reproduced in whole or in part, nor may any reference be made to the work, the result, or the company in any news release, public announcements or advertising without our prior written consent.

812 Meadow Lark Lane, Goodlettsville, TN 37072
Tel: 615-239-8604

Mesembrine Quantification

Sample name: STort W562 190320
Operator: SYSTEM
Instrument: 1260 Infinity HPLC
Column: Kinetex C18
Injection date: 2020-03-19 14:04:59+02:00
Manually modified: Manual Integration and CompoundID
Type: Sample



Signal: DAD1A, Sig=280.4 Ref=600.20

Name	RT [min]	RF	Area	Area %	Amount µg	Concentration ppm	Compound %
delta 7 Mesembrinone	5.36	50.711	293.964	8.77	5.797	1236.01	0.12
Mesembrinone	7.12	24.854	715.129	21.33	28.773	6134.94	0.61
Mesembrine	8.70	13.049	2343.070	69.90	179.564	38286.57	3.83

Requested: Charmain Ferreira
 Report No: CF_Sceletium_200326
 Instrument: Waters Synapt G2, ESI probe, ESI Pos, Cone Voltage 15 V
 Sample preparation: 0.56g accurately weighed out and extracted with 10ml methanol. After centrifugation, three dilutions were performed- 50x, 100x and 200x in glass vials ready for analysis by lcms.

Results:

Sample Text	Mesembrine mg/Kg	Mesembrinone mg/Kg	delta 7-mesembrinone mg/Kg	Sceletium A4 mg/Kg
TSS2403201690320	28868.2	6555.1	1328.3	459.3

Sample Text	Mesembrine g/100g	Mesembrinone g/100g	delta 7-mesembrinone g/100g	Sceletium A4 g/100g
TSS2403201690320	2.89	0.66	0.13	0.05