

Certificate of Analysis

Sceletium – Total alkaloids

Sample #	Mesembrine (mg/g)	Mesembrenone mg/g	D7- Mesembrenone mg/g	Other alkaloids mg/g	Total Alkaloids mg/g
Sceletium tortuosum Dried Tea Cut <1mm BC: RMST-082025KKM Mnf Date: Aug 2025 Exp Date: Jul 2028	3.11	2.14	2.66	1.46	9.38
Sceletium tortuosum Dried Tea Cut <2mm BC: RMST-082025KKM Mnf Date: Aug 2025 Exp Date: Jul 2028	3.21	2.02	3.15	2.19	10.58
Sceletium tortuosum Dried Tea Cut 1mm-5mm BC: RMST-082025KKM Mnf Date: Aug 2025 Exp Date: Jul 2028	3.43	2.39	2.64	1.73	10.19
Sceletium tortuosum Dried Tea Cut 2mm-10mm BC: RMST-082025KKM Mnf Date: Aug 2025 Exp Date: Jul 2028	2.95	2.10	2.15	1.90	9.10

N.D. = none detected.

Method: Patnala, S, Kanfer, I. 2010. HPLC Analysis of Mesembrine-Type Alkaloids in Sceletium Plant Material Used as An African Traditional Medicine. *Journal of Pharmacy & Pharmaceutical Sciences*, 13(4), 558

Sample preparation: Extracted with 100% Methanol

Analysis date : 20/08/2025



G.S. Hautibal
Laboratory Manager

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CERTIFICATE OF ANALYSIS
 REVISION NUMBER: 03
 REVISION DATE: 25/07/2024
 DOC NO: COARMSTMP

ANALYTICAL PARAMETERS			
PARAMETER	METHOD	SPECIFICATION	RESULT
APPEARANCE:	Visual Inspection	Light brown fine powder	Pass
ODOUR AND TASTE:	Sensory Evaluation	Herbal taste and aroma with astringent notes	Pass
TOTAL ALKALOIDS:	HPLC	$\geq 1 \text{ mg / g}$	4.57 mg / g
MESEMBRINE:	HPLC	Batch specific	0.30 mg / g
MESEMBRENONE:	HPLC	Batch specific	2.17 mg / g
D7 - MESEMBRENONE:	HPLC	Batch specific	0.66 mg / g
OTHER ALKALOIDS:	HPLC	Batch specific	1.44 mg / g

MICROBIAL SPECIFICATION			
TEST	METHOD	SPECIFICATION	RESULT
TOTAL PLATE COUNT (TPC):	ISO 4833	< 100 000 CFU/g	190 CFU / G
SALMONELLA*:	ISO 6579	< 10 Per 25g	Absent
COLIFORMS*:	ISO 4832	< 10 CFU/g	< 10 CFU / G
ESCHERICHIA COLI*:	ISO 16649-2	< 10 CFU/g	< 10 CFU / G
YEAST:	ISO 7954	< 5 000 CFU/g	40 CFU / G
MOULD:	ISO 7954	< 5 000 CFU/g	910 CFU / G
HEAVY METALS			
HEAVY METALS	METHOD	SPECIFICATION	RESULT
LEAD:	UNI EN 14083 & 14084	< 3 mg/kg	Pass
CADMIUM:	UNI EN 14083 & 14084	< 1.0 mg/kg	Pass
MERCURY:	EN 13805	< 0.1 mg/kg	Pass
ARSENIC:	UNI EN 14083 & 14084	Not specified	Pass

NOTES

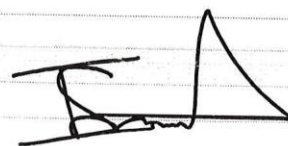
Stored at ambient temperatures, labelled, sealed, protected from moisture, light and high temperatures in a pest and rodent-proof area, away from harmful chemicals.

RELEASED BY

RESPONSIBLE PERSON:

D. SCHOINRAED

DATE: 01/07/2024



Disclaimer - This product specification describes the composition and properties of our product to the best of our knowledge. Due to raw material variations deviations from this specification may occur within good manufacturing practice to standardize our product. This product and its ingredients conform to the South African food law requirements. The permissibility of our product may be limited to certain applications. It's the duty of the user to ensure that the use of our product and the placing on the market of the pharmaceutical or cosmetic product made with it complies with local applicable legal requirements.