CERTIFICATE OF ANALYSIS

Product Name:	Sceletium Phyto-Extract
Product Code:	[redacted]
Product Category:	Extract /Active Ingredient
Potency:	Mesembrine approximately - 4 % w /w
Botanical Origin:	*Sceletium tortuosum*
Manufactured by:	[redacted]
Licence Number:	
Production Date:	02/2026
Expiration Date:	02/2028
Batch Number:	3512/0226
Country of Origin:	South Africa
Harvesting Protocol:	In accordance with conservation control authority of South Africa.

For illustration purposes only

PARAMETER	SPECIFICATION	METHOD	RESULT
Product Identification			
Plant Parts Used:	Aerial Parts	*VDSA-PMF- SX-05.0*	Complies /Pass
Extraction Method:	Ethanolic Extraction - EtOH	*VDSA-PMF- SX-05.0*	Complies /Pass
Plant /Extraction Ratio:	7:1 (DER)	*VDSA-PMF- SX-05.0*	Complies /Pass
Product Identification A:	Retention time /Zonal Pattern (TLC)	*Ph. Eur. 2.8.25.*	Positive ID /Pass
Product Identification B:	Retention time /UV Match Factor (HPLC)	*VDSA-HPLC-SX-001.1*	Positive ID /Pass
Appearance:	Fine Powder	*VDSA-PMF- SX-05.0*	Complies /Pass
Colour:	Light Tan to Beige	*VDSA-PMF- SX-05.0*	Complies /Pass
Odour:	Characteristic	*VDSA-PMF- SX-05.0*	Complies /Pass
Solubility:	16 g /100 mL in H^2O at 20 °C (±10 %)	*VDSA-PMF- SX-05.0*	16 g /100 mL /Pass
Moisture:	NMT 5 %	*VDSA-PMF- SX-05.0*	Complies /Pass
Particle Size:	100 % Pass through 100 µm Sieve	*VDSA-PMF- SX-05.0*	Complies /Pass
Purity Active Ingredient /s			
Mesembrine Concentration:	3.8 – 4.2 % (± 5 %)	*VDSA-HPLC-SX-001.1*	4,1 % /Pass
Alkaloid Area Profile			
Mesembrine:	80 – 90 % @ 280 nm UV /DAD	*VDSA-UV-SX-001.0*	84 % /Pass**
Mesembrenone:	10 – 15 % @ 280 nm UV /DAD	*VDSA-UV-SX-001.0*	12 % /Pass**
Δ7 Mesembrenone:	≤ 5 % @ 280 nm UV /DAD	*VDSA-UV-SX-001.0*	4 % /Pass**
Other Ingredient /s			
Excipient:	Mannitol	*VDSA-PMF- SX-05.0*	As per BMR /Pass
Residual Limits			
Class 3 Solvents:	≤ 5000 ppm - Ethanol	*Ph. Eur. 2.4.24.*	Complies /Pass
Pesticides Residue:	≤ 10 ppb Multi Screen Class 1	*Ph. Eur. 2.8.13.*	Not Detected /Pass*
Heavy Metal Limits			
Lead (Pb):	≤ 5.0 ppm	*Ph. Eur. 2.4.27.*	Complies /Pass*
Cadmium (Cd):	≤ 0.5 ppm	*Ph. Eur. 2.4.27.*	Complies /Pass*
Mercury (Hg):	≤ 0.1 ppm	*Ph. Eur. 2.4.27.*	Complies /Pass*
Arsenic (As):	≤ 3.0 ppm	*Ph. Eur. 2.4.27.*	Complies /Pass*
Mycotoxins Limits			
Aflatoxin B1:	≤ 2 µg /kg	*Ph. Eur. 2.8.18.*	Complies /Pass*
Total Aflatoxins B1+ B2+ G1+ G2:	≤ 4 µg /kg	*Ph. Eur. 2.8.18.*	Complies /Pass*
Ochratoxin A:	≤ 20 µg /kg	*Ph. Eur. 2.8.22.*	Complies /Pass*
Microbial Limits			
Total Aerobic Count (TAMC):	≤ 2 000 cfu /g	*Ph. Eur. 5.1.4.-1*	Complies /Pass*
Total Yeast & Mould Count (TYMC):	≤ 200 cfu /g	*Ph. Eur. 5.1.4.-1*	Complies /Pass*
Staphylococcus aureus:	Absent in 1 g or mL	*Ph. Eur. 5.1.4.-1*	Complies /Pass*
Pseudomonas aeruginosa:	Absent in 1 g or mL	*Ph. Eur. 5.1.4.-1*	Complies /Pass*
Escherichia coli:	Absent in 1 g or mL	*PH. Eur. 5.1.4.-1*	Complies /Pass*
Product Irradiated: YES ☐ NO ☒ :	Gamma 4 – 8 kGy	*VDSA-PMF- SX-05.0*	Complies /Pass*
Storage and Handling:	Sealed airtight container protected from light. Cool and dry conditions 15 - 25 °C.		

Note: Herbal starting material produced in accordance with sustainable cultivation practices. * Results are based on CoA of Raw Material from supplier.
** Alkaloid profile based on the Area ratio of Mesembrine, Mesembrenone, and Delta7-Mesembrenone – the potency is the actual percentage of Mesembrine concentration w /w.

redacted

Responsible Pharmacist (Deputy)

Date: 05 03 2026

redacted

Production Manager

Date: 5 2025

This information is believed to be current and correct but is provided without any warranty expressed or implied.
Customers are advised to determine in advance the safe conditions of use for this product.