

CERTIFICATE OF ANALYSIS - REDACTED COPY

Supplier-identifying information, brand names, contact details, internal product codes, batch identifiers, names and signatures have been removed from this public-facing copy.

PRODUCT	Sceletium tortuosum spray-dried extract (0.4% specification)
BOTANICAL NAME	Sceletium tortuosum
BATCH	Redacted
MANUFACTURE DATE	July 2024
EXPIRY DATE	June 2027

DESCRIPTION

Description	Sceletium tortuosum spray-dried extract.
Characteristics	Light brown/yellow hygroscopic fine powder. Herbal, slightly bitter taste and aroma with slightly typical sour and astringent notes.
Plant species	Sceletium tortuosum
Family	Aizoaceae
Plant material	Aerial parts
Composition of formulated ingredients	Sceletium tortuosum, spray-dried (tapioca maltodextrin carrier)
Country of origin	South Africa

ANALYTICAL PARAMETERS

Parameter	Method	Specification	Result
Appearance	Visual/sensory	Slightly colored - brown, powder	Complies
Odour and taste	Sensory Evaluation	Typical	Complies
Foreign matter	Visual Inspection	Free from foreign matter	Complies
Solubility	Ph. Eur	Slightly soluble in water, 1 g in 1 L	Complies
Total alkaloids	HPLC	>= 4 mg/g (not less than 0.4%)	5.19 mg/g (0.52%)
Mesembrine	HPLC	Batch specific	4.59 mg/g (0.46%)
Mesembrenone & D7	HPLC	Batch specific	0.6 mg/g (0.06%)

MICROBIAL SPECIFICATION

Test	Method	Specification	Result
Total plate count (TPC)	ISO 4833	< 10 000 CFU/g	405 CFU/g
Salmonella	ISO 6579	< 10 per 25 g	Absent
Escherichia coli	ISO 16649-2	< 10 CFU/g	Absent
Yeast & mould	ISO 7954	< 500 CFU/g	5 CFU/g

HEAVY METAL SPECIFICATION

Heavy metal	Method	Specification	Result
Lead	UNI EN 14083 & 14084	< 0.5 mg/kg	0.01 mg/kg
Cadmium	UNI EN 14083 & 14084	< 0.2 mg/kg	0.005 mg/kg
Mercury	EN 13805	< 3 mg/kg	Complies
Arsenic	ISO 19620	< 1.5 mg/kg	0.01 mg/kg

MYCOTOXINS SPECIFICATION

Mycotoxins	Method	Specification	Result
Total aflatoxins: B1, B2, G1, G2	HPLC	< 4 µg/kg	Complies

PESTICIDE RESIDUES SPECIFICATION

Pesticide residues	Method	Specification	Result
Pesticide residues	Ph. Eur 2.8.13	NMT limits stated in Ph. Eur 2.8.13	Complies

Storage 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.

RELEASE INFORMATION	
Responsible person	Redacted
Release date	29/05/2025

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