



Product of South Africa



Sustainably Sourced
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LIQUID



100% natural
ingredients



Extracted from standardized,
commercially grown
Sceletium.

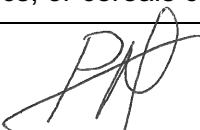
TDS ID: TDS-M2100003

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Technical Data Sheet – GSCET5

TDS ID	TDS-M2100003	
Product	Sceletium Tortuosum Phyto-Botanical Extract – GSECT5	
Description	GSCET5 is a standardized extract of Kanna (<i>Sceletium tortuosum</i>) alkaloids that is focussed on the extraction of clinically studied actives such as mesembrine and mesembrenone. This extract is a refined ETOH-based liquid extract of organically cultivated sceletium tortuosum with no carriers attached. The raw materials are cultivated using GAP and dried and packed under GMP.	
Application	Liquid formulations such as syrups, liquids, soft gels	
Total Alkaloids	NLT 6 % (w/w)	
Mesembrine	NLT 5 % (w/w)	
Alkaloid Profile Distribution	<ul style="list-style-type: none">▪ Mesembrine > 80 ± 5 %▪ Mesembrenone > 15 ± 2 %▪ Delta-7-Mesembrenone > 1 ± 1 %	
Other Analysis	<ul style="list-style-type: none">▪ Heavy metals▪ Microbiological▪ Pesticides▪ Mycotoxins	
Packaging details	<ul style="list-style-type: none">▪ 0.5 - 1.0 kg blocks packed sterile bags▪ 0.5 - 1.0 kg aluminium container▪ 0.5 - 1.0 kg amber glass container	
MOQ	<ul style="list-style-type: none">▪ 2.0 kgs	
Storage	Store in a well ventilated, away from direct light at 15 – 25 °C. Do not freeze.	
Allergen Statement	Does not contain eggs, peanuts, milk, celery, sesame seeds, lupin, crustaceans, fish, soybeans, nuts (tree nuts), mustard, sulphur dioxide, molluscs, or cereals containing gluten.	
Approved By: P. Nel (QA Manager)	Signature: 	Date: 08-2021

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General Physical Properties		
Test Description	Acceptance Criteria	Test Method
Appearance	Dark-brown, viscous oil with characteristic smell	Visual Inspection
Foreign Matter	Free of foreign matter	Visual Inspection

Total Heavy Metals (Third-party laboratory)		
Test Description	Acceptance Criteria	Test Method
Arsenic	$\leq 3.0\text{ppm}$	ICP-MS <i>Validated method</i>
Mercury	$\leq 0.1\text{ppm}$	ICP-MS <i>Validated method</i>
Lead	$\leq 5.0\text{ppm}$	ICP-MS <i>Validated method</i>
Cadmium	$\leq 0.5\text{ppm}$	ICP-MS <i>Validated method</i>

Pesticide Residues (mg/kg) (Third-party laboratory)		
Test Description	Acceptance Criteria	Test Method
Pesticide Residues	NMT limits specified in Ph Eur 2.8.13	Multi-screen GC-MSMS & LC-MSMS <i>ISO17025 accredited</i>

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Toxins (Third-party laboratory)		
Test Description	Acceptance Criteria	Test Method
B1 Aflatoxin	NMT 0.2ppm	HPLC/UPLC <i>ISO17025 accredited</i>
Total Aflatoxins (B1, B2, G1, G2)	NMT 4.0ppm	HPLC/UPLC <i>ISO17025 accredited</i>
Ochratoxin A	NMT 5.0ppm	HPLC/UPLC <i>ISO17025 accredited</i>

Microbiological Specifications (Third-party laboratory)		
Test Description	Acceptance Criteria	Test Method
Total Aerobic Microbial Count	<10 ⁵ CFU/g	ISO17025 accredited
Salmonella	Absent in 25g	ISO17025 accredited
Total Yeast and Moulds Count	<10 ³ CFU/g	ISO17025 accredited
E. Coli	Absent in 25g	ISO17025 accredited

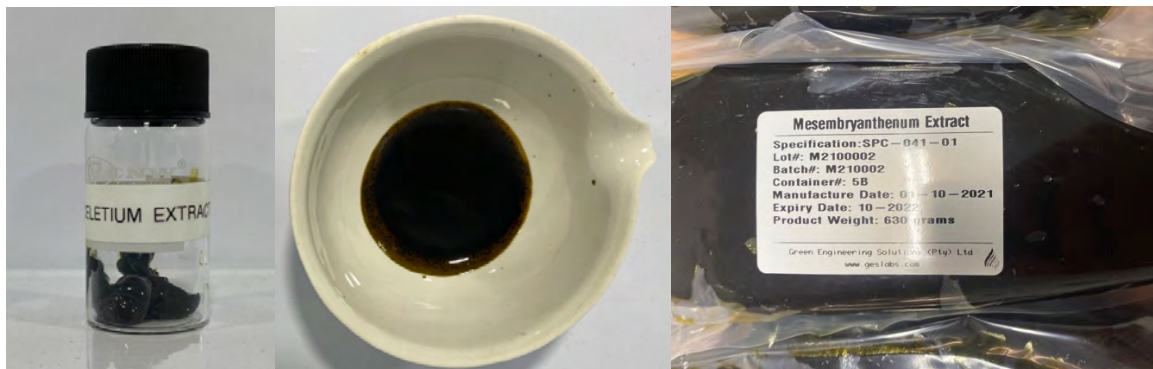
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Sample of GSCET5 ETOH-based extract from Sceletium Tortuosum

DOCUMENT END

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