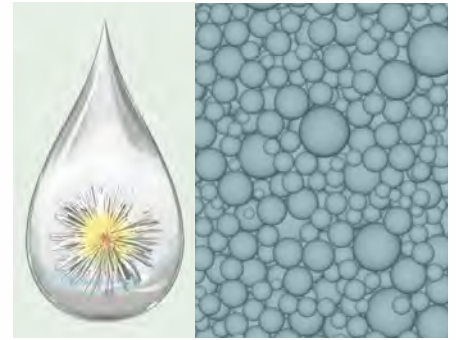




Product of South Africa



LIQUID



100% natural
ingredients



Extracted from standardized,
commercially grown
Sceletium.


TDS ID: TDS-M2100004

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Technical Data Sheet – GSCETWS1

TDS ID	TDS-M2100004	
Product	Sceletium Tortuosum Phyto-Botanical Extract – GSECTWS1	
Description: GSECTWS1	GSCETWS1 is a nano emulsified formulated active infused additive produced using a standardized extract of Kanna (Sceletium Tortuosum) alkaloids that is focussed on the extraction of clinically studied actives such as mesembrine and mesembrenone and ultrasonication for increased bioavailability. This is a water-based nanoemulsion additive containing water, sceletium extract, MCT oil and surfactants to create stable nanoparticles (100 – 250nm) for superior bioavailability.	
Application	Liquids, shots, beverages	
Total Alkaloids	NLT 1.0 % (w/w)	
Mesembrine	NLT 0.8 % (w/w)	
Other Analysis	<ul style="list-style-type: none">▪ Heavy metals▪ Microbiological contaminants▪ Pesticides▪ Mycotoxins	
Packaging details	<ul style="list-style-type: none">▪ 0.5 - 1.0 kg 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">▪ 5.0 kg	
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, watery 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

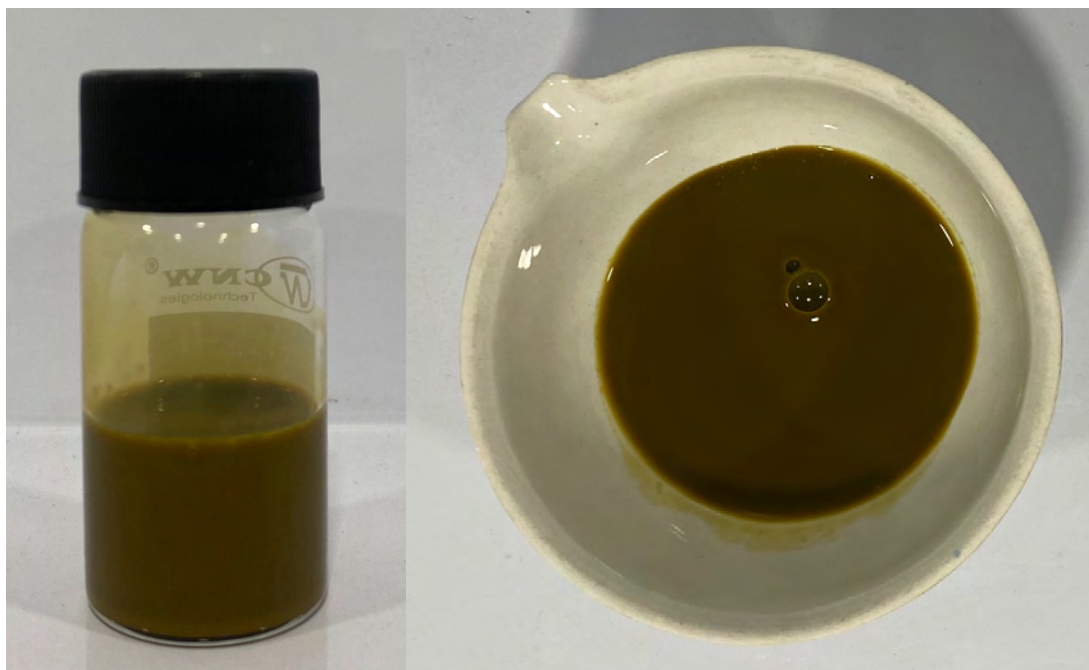
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Sample of GSCETWS1 nanoemulsion

DOCUMENT END

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