



15061 Springdale Steet Ste.113  
Huntington Beach, CA 92649 (714) 823-3750

### CERTIFICATE OF ANALYSIS

<b>Product:</b>	<b>SCELETIUM TORTUOSUM PHYTO-BOTANICAL LIQUID EXTRACT: MZE</b>
Botanical/Plant Material:	SCELETIUM TORTUOSUM
Production Date:	01/02/2022
Expiration Date:	01/02/2024
Lot Number:	TSS22020823660222
Country of Origin:	South Africa
Harvesting protocol:	In accordance with the conservation control authority of South Africa.

<b>Parameter</b>	<b>Specification</b>	<b>Method</b>	<b>Result</b>
Part plant used	Whole herba	<i>Visual</i>	Whole Herba
Extraction Method	Ethanollic Extraction	<i>Proprietary</i>	Verified on BMR
Plant / Extract Ratio	10:1 (DER)	<i>S / L</i>	Verified on BMR
Appearance	Viscous Liquid	<i>Visual</i>	Liquid
Colour	Amber to Dark Brown	<i>Visual</i>	Amber
Odour	Odour characteristic	<i>Organoleptic</i>	Characteristic
Main Active ingredients	3.5% – 4.0% Mesembrine	<i>HPLC</i>	3.18%
Residual Solvent Class 3	<5000ppm	<i>GC-MS</i>	26ppm
Solubility	19g/Lt in H2O @ 20°C (± 10%)	<i>Physical</i>	19.7g/Lt
Moisture	N/A	<i>AOAC 950.46</i>	N/A
Primary Excipient	Propylene Glycal + Glycerine (50/50)	<i>3<sup>rd</sup> Party</i>	Verified

Particle size	N/A	N/A	N/A
Heavy Metals - Lead	< 0.5mg / kg	AOAC 984.27	< 0.5mg / kg
- Cadmium	< 0.5mg / kg	AOAC 984.27	< 0.5mg / kg
- Mercury	< 0.1mg / kg	AOAC 984.27	< 0.1mg / kg
-	< 0.5 mg/Kg	AOAC 984.27	< 0.5mg / kg
<b>Arsenic</b>			
Coliforms	< 10 cfu/g	ISO 4832 -2006	No growth cfu/gram
Total aerobic count	< 1000 cfu/g	MFHPB-18	No growth cfu/gram
11 Yeast and Mould	< 100 cfu/g	AOAC 6.1:1997	No growth cfu/gram
Escherichia.Coli.	Absent /g	ISO 16649-2	No growth cfu/gram
Salmonelia	Absent	SANS 6579:2003	Absent

Storage and Handling: Closed. Sealed, storage container

Cool and dry conditions – less than 25°C

Please keep dry and away from direct sunlight.

This product is non-GMO

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



**Signed:**  
**Name: JP Le Roux**

Director: JP Le Roux