



CERTIFICATE OF ANALYSIS

|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| Product:                  | SCELETIUM TORTUOSUM PHYTO BOTANICAL EXTRACT: XK6       |
| Botanical/Plant Material: | SCELETIUM TORTUOSUM                                    |
| Production Date:          | 30/11/2024                                             |
| Expiration Date:          | 30/11/2026                                             |
| Lot Number:               | ALL BATCHES                                            |
| Country of Origin:        | South Africa                                           |
| Harvesting protocol:      | As per Conservation Control Authority of South Africa. |

| Parameter                | Specification                      | Method       | Result                |
|--------------------------|------------------------------------|--------------|-----------------------|
| Part Plant Used          | Whole herba                        | Visual       | Pass                  |
| of extraction Method     | EtOH                               | Proprietary  | Verified on BMR       |
| Plant/Extraction Ratio   | 7-8:1 (D.E.R)                      | S/L          | Verified on BMR       |
| Appearance               | Fine powder                        | Visual       | Pass/Verified         |
| Product Characterisation | As per in-house reference standard | GC-MS        | Pass                  |
| Colour                   | Light Tan to Beige                 | Visual       | Conforms Pass         |
| Odour                    | Characteristic                     | Organoleptic | Characteristic / Pass |
| Active Ingredients       | NLT 3.3 – 3.6% Mesembrine          | HPLC         | 3.5%                  |

Alkaloid Profile



|                      |                             |                           |                 |
|----------------------|-----------------------------|---------------------------|-----------------|
| Primary Excipient    | Mannitol                    | 3 <sup>rd</sup> party COA | Present         |
| Solubility           | 16g/Lt in H2O @ 20°C (±10%) | Physical                  | 16.2g/Lt / Pass |
| Moisture             | NMT 5%                      | AOAC 950.46               | 2.5% / Pass     |
| Particle / Mesh size | 100% - Pass through 100 um  | Sieve                     | Pass / Complies |
| Pesticides:          | On Request                  |                           |                 |
| Heavy Metals:        | On Request                  |                           |                 |
| Micobials:           | On Request                  |                           |                 |