

## CERTIFICATE OF ANALYSIS

Product Name: Tribulus Terrestris P.E. 45% Saponins	Lot#: NIGTT45-2312V095917
Botanical Name: <i>Tribulus Terrestris</i> L	Expiration Date: Dec 2026
Sterilization Method: No-IR and GMO Free	Manufacture Date: Dec 2023
Solvent used: Ethanol and Water	Part used: Fruit

TEST ITEMS	SPECIFICATION	RESULTS	METHOD
Identification	Positive	Conforms	FTIR
Appearance	Fine Yellow-Brown Powder	Fine Yellow-Brown Powder	Visual
Taste & Odor	Characteristic	Characteristic	Organoleptic
Loss on Drying	NMT 5%	1.48%	5g/105°C/2hrs
Ash	NMT 5%	0.62%	2g/525°C/3hrs
Sieve Analysis	NLT 99% through 80 Mesh	Conforms	80 Mesh Screen
Bulk Density	35-55g/100ml	Conforms	CP2015
<b>HEAVY METAL ANALYSIS</b>			
Heavy Metals	NMT 10ppm	Conforms	ICP-MS
Lead (Pb)	NMT 1ppm	Conforms	ICP-OES
Arsenic (As)	NMT 2ppm	Conforms	ICP-OES
Cadmium (Cd)	NMT 1ppm	Conforms	ICP-OES
Mercury (Hg)	NMT 1ppm	Conforms	ICP-OES
Pesticide Residues	Meets USP Requirements	Conforms	USP<561>
Assay: Saponins	NLT 45%	45.32%	UV
<b>MICROBIOLOGICAL ANALYSIS</b>			
Total Plate Count	NMT 10,000cfu/g	Conforms	AOAC 990.12
Yeast & Mold	NMT 300cfu/g	Conforms	AOAC 997.02
E. Coli	Absent	Absent	AOAC 991.14
Salmonella	Absent	Absent	AOAC 2014.01
Staphylococcus	Absent	Absent	AOAC 2003.07

Storage	Store in a well-closed container away from moisture.
Shelf Life	Three years if sealed and stored away from direct sun light.

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