

# Bionatrix™ Tribulus

**Botanical Name:** *Tribulus terrestris* L.

**Used Part(s):** Fruit / Stem



## Description:

*Tribulus terrestris* is an herb that is mostly known for its role in male health and libido-enhancing properties. In addition, it is recommended for urogenital health and has anti-eczema properties.

## Technical Data:

<b>Analysis</b>	<b>Method</b>	<b>Specification</b>
<b>PLANT SPECIFICATION</b>		
Total ash for herb	Ph. Eur. (2.4.16)	NMT 10%
Pesticides	GC/MS, LC-MS/MS	Comply with Ph. Eur. (2.8.13)
Aflatoxin	AOAC 999.07	Comply with Ph. Eur. (2.8.18)
Ochratoxins	AOAC 2004.10	Comply with Ph. Eur. (2.8.22)
Benzo(a)pyrene (PAH)	JOSS 2002,25,96-100	NMT 50 ppb
<b>PRODUCT SPECIFICATION</b>		
Description	Visual inspection	Brown or light brown powder
Odor	Organoleptic	Characteristic
Particle size		100% pass 80 mesh
Solubility in water		Partially water soluble
<b>ASSAY</b>		
<b>Total Saponins</b>	<b>UV-VIS Spectrophotometry</b>	<b>NLT 60%</b>
Loss on Drying (%)	Ph. Eur. (2.8.17)	NMT 5%
<b>Solvent residue (ppm)</b>	Headspace GC	
Ethanol		NMT 5000
<b>Heavy metal (ppm)</b>		
Arsenic	ICP – OES	NMT 1
Cadmium		NMT 3
Lead		NMT 1
Mercury		NMT 0.1
<b>MICROBIOLOGICAL ASSAY</b>		
Total aerobic microbial count (cfu/g)	ISO 4833:2003	NMT 10000
Yeast & mold (cfu/g)	FDA BAM Chapter 18	NMT 100
<i>Escherichia coli</i>	ISO 16649-2	Absent in 1 g
<i>Salmonella</i>	ISO 6579	Absent in 25 g
<i>Pseudomonas aeruginosus</i>	ISO 13720	Absent in 1 g
<i>Staphylococcus aureus</i>	ISO 6888-1	Absent in 1 g

## Activities:

Bionatrix™ Tribulus has pharmaceutical, nutritional and personal care activities that include, but are not limited to, Diuretic, Impotence and Eczema Treatment.



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