

## SHATAVARI KALPA GRANULES

Monograph No. – 070253 ver 3.0

Issue No: 03

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Amendment Date : --

Text Reference : Ayurvedic Proprietary Medicine

Shelf Life: 3 years

### Description

Light brown to brown colour granules, taste sweet & slight bitter, resembling taste of shatavari, odour slight of velchi.



### Loss on Drying at 105°

Not more than 5 % w/w

### Ash

Not more than 0.5 % w/w

### Acid Insoluble Ash

Not more than 0.2 % w/w

### Water Soluble Extractive

Not less than 90 % w/w

### pH (1% aqueous solution)

4.0 – 6.0

### Thin Layer Chromatography Solvent system

Chloroform : Methanol  
( 7 : 3 )

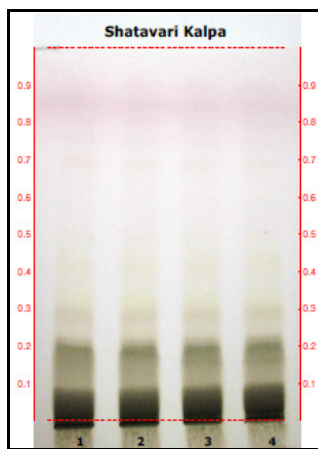
### Details

Solvent of Extraction – Methanol

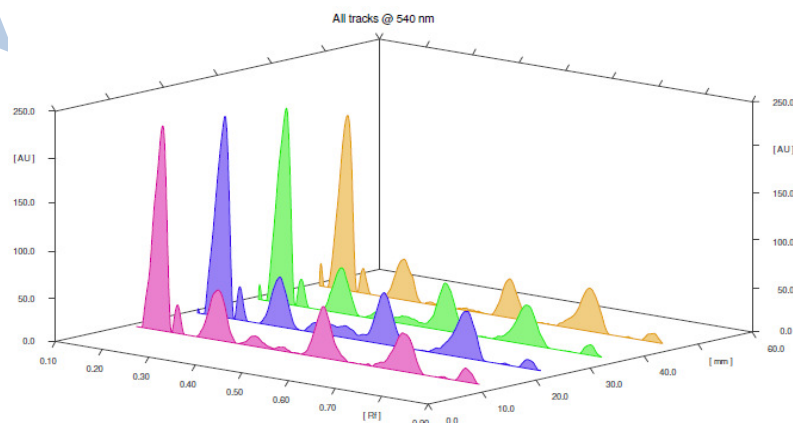
Solvent front – 90 mm

Total No. of Major spots – 5

Detection – After spraying Anisaldehyde H<sub>2</sub>SO<sub>4</sub>



Major Spots	Colour	Approx. Rf.
1	Black	0.20
2	Gray	0.29
3	Light Yellow	0.32
4	Light Yellow	0.42
5	Light Gray	0.68



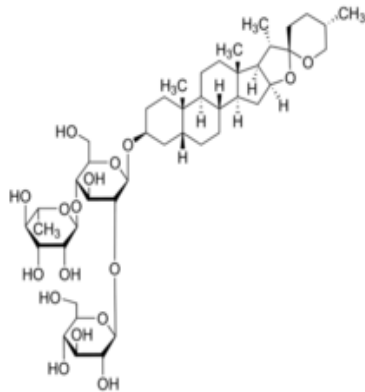
3D Peak Display of Shatavari Kalpa at 540 nm

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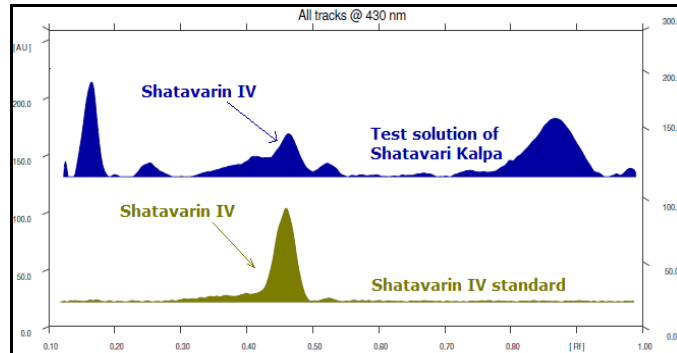
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

## HPTLC Profile

### i) Shatavarin IV



When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 430 nm corresponding with Shatavarin IV standard.



## Heavy metal

<b>Lead (Pb)</b>	NMT 10 ppm
<b>Mercury (Hg)</b>	NMT 1 ppm
<b>Arsenic (As)</b>	NMT 3 ppm
<b>Cadmium (Cd)</b>	NMT 0.3 ppm
<b>E. coli</b> †	Absent/g
<b>P. aeruginosa</b> †	Absent/g
<b>Salmonella sp.</b> †	Absent/g
<b>Staphylococcus sp.</b> †	Absent/g
<b>Total Microbial plate count (TPC)</b> †	NMT 10 <sup>5</sup> c.f.u./g
<b>Total Yeast &amp; Mould count</b> †	NMT 10 <sup>3</sup> c.f.u./g
<b>Pesticide Residue</b> † (OC+OP)	Complies as per API
<b>Aflatoxins B1,B2,G1,G2</b> †	Complies as per API