

## MAHASUDARSHAN GHANA VATI

Monograph No. – 3100014 ver 3.0

Issue No: 03

Amendment No : 00

Date of Issue: 20/11/2020

Amendment Date : --

Text Reference : Ayurved Sar Sangrah (Choorana)

Shelf Life: 5 years

### Description

Brownish black color round biconvex coated tablets having SDL mark on one side.

### Loss on Drying at 105°

Not more than 7 % w/w

### Hardness

Not less than 2 kg/cm<sup>2</sup>

### Thickness

3.0 ± 0.5 mm

### Diameter

6.0 ± 0.5 mm

### Friability

Not more than 1 % w/w

### Disintegration Time

Not more than 60 min.

### Average Weight

125 mg ± 7.5 %

### Uniformity of weight on 20 tablets

Not more than 2 tablets deviate by more than 5 % of the average weight and none by more than 10 % of the average weight

### Thin Layer Chromatography Solvent system

Chloroform : Ethyl Acetate : Formic Acid  
( 5 : 4 : 1.6 )

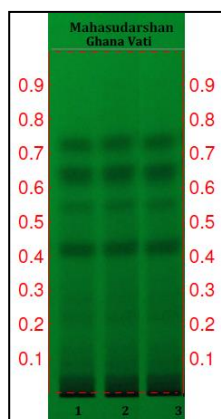
Solvent of Extraction – Methanol

Solvent front – 90 mm

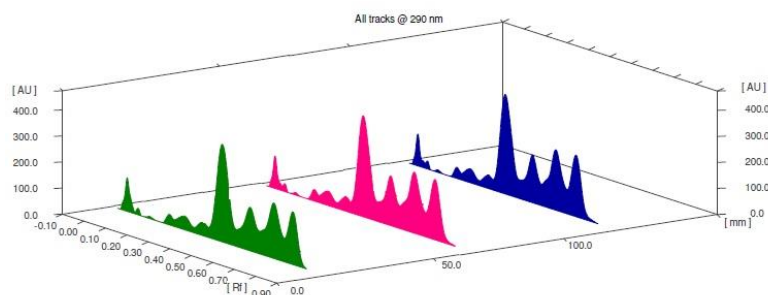
Total No. of Major spots – 6

Detection – Under UV at 254 nm

### Details



Major Spots	Colour	Approx. Rf.
1	Light Gray	0.21
2	Light Gray	0.29
3	Black	0.42
4	Gray	0.53
5	Black	0.64
6	Black	0.72



3D Peak Display of Mahasudarshan Ghana Vati at 290 nm

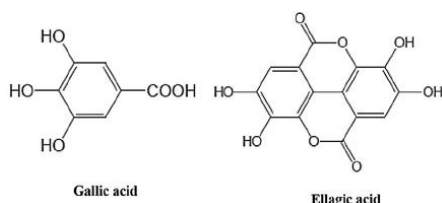
**Confidential - photocopy prohibited**

1

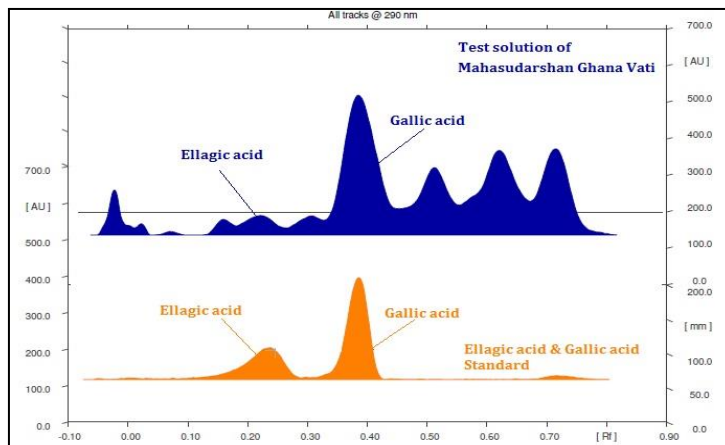
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

## HPTLC Profile<sup>†</sup>

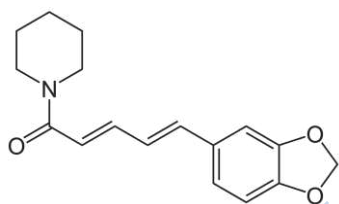
### i) Total Polyphenols (as Gallic acid & Ellagic acid)



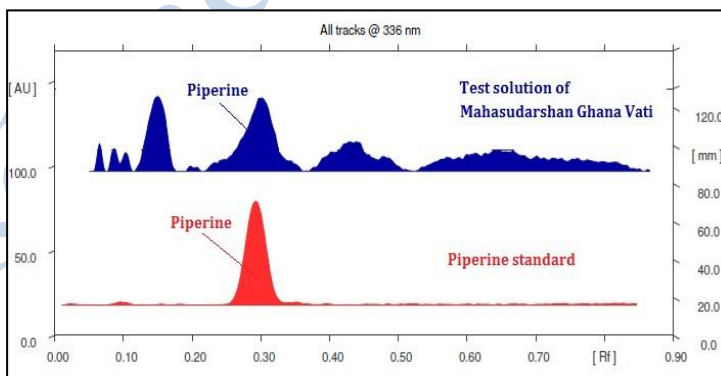
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 290 nm for Gallic acid & 278 nm for Ellagic acid corresponding with Gallic acid & Ellagic acid standard.



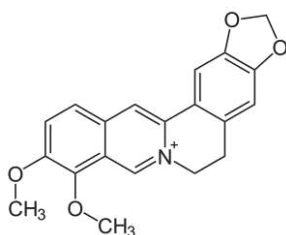
### ii) Piperine



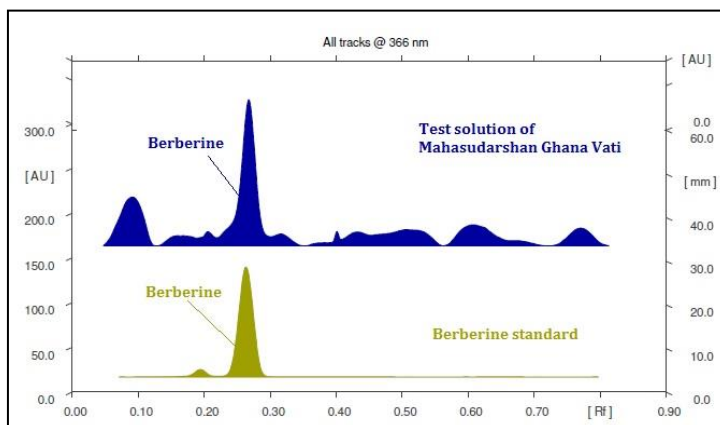
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 336 nm corresponding with Piperine standard.



### iii) Berberine



When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 366 nm corresponding with Berberine 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> <sup>†</sup>	Absent/g
<b>P. aeruginosa</b> <sup>†</sup>	Absent/g
<b>Salmonella sp.</b> <sup>†</sup>	Absent/g
<b>Staphylococcus sp.</b> <sup>†</sup>	Absent/g
<b>Total Microbial plate count (TPC)</b> <sup>†</sup>	NMT 10 <sup>5</sup> c.f.u./g
<b>Total Yeast &amp; Mould count</b> <sup>†</sup>	NMT 10 <sup>3</sup> c.f.u./g
<b>Pesticide Residue</b> <sup>†</sup> (OC+OP)	Complies as per API
<b>Aflatoxins B1,B2,G1,G2</b> <sup>†</sup>	Complies as per API

www.sdlindia.com