

## AMARSUNDARI VATI

Monograph No. – 0802384 ver 3.0

Issue No: 03

Date of Issue: 16/11/2016

Text Reference : Ayurved Sara Sangraha

Amendment No : 02

Amendment Date : 23/01/2025

Shelf Life: 5 years

### Description

Gray to dark gray colour, round convex coated tablet having SDL mark on one side.

### Loss on Drying at 105°

Not more than 6 % w/w

### Friability

Not more than 1 % w/w

### Disintegration Time

Not more than 60 min.

### Hardness

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

### Thickness

4.5 ± 0.5 mm

### Diameter

12.0 ± 0.5 mm

### Average Weight

530 mg ± 5 %

### Uniformity of weight

Not more than 2 tablets deviate by more than 5% of the Average Weight and none by more than 10% of the Average Weight.

### Ash

Not more than 28 % w/w

### Acid insoluble ash

Not more than 4 % w/w

### Water soluble extractive

Not less than 25 % w/w

### Alcohol soluble extractive

Not less than 25 % w/w

### pH (1 % Aq. Solution)

4.8 - 7.2

### Elemental Assay

#### Mercury (Hg)

3.0 – 5.0 mg/tablet

#### Sulphur (S)

3.0 – 5.0 mg/tablet

#### Iron (Fe)

2.0 – 4.0 mg/tablet

### Thin Layer Chromatography Solvent system

Toluene : Ethyl acetate  
( 7 : 3 )

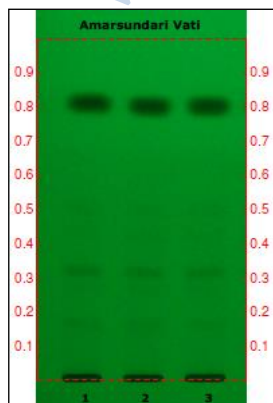
### Details

Solvent of Extraction – Methanol

Solvent front – 90 mm

Total No. of Major spots – 5

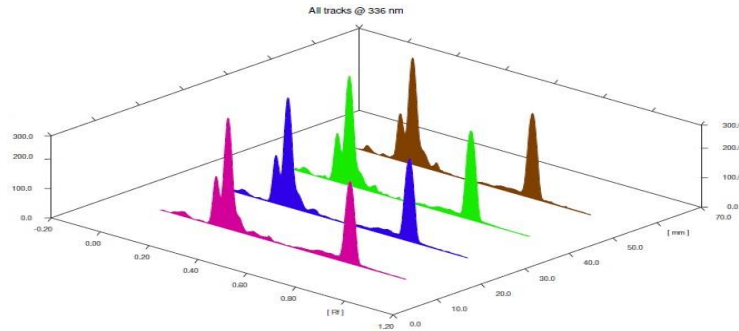
Visualization – Under UV at 254 nm



Major Spots	Colour	Approx. Rf.
1	Light Gray	0.16
2	Gray	0.31
3	Light Gray	0.41
4	Light Gray	0.47
5	Black	0.77

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

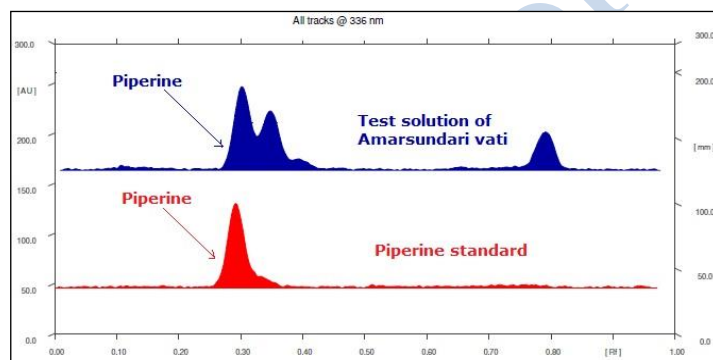
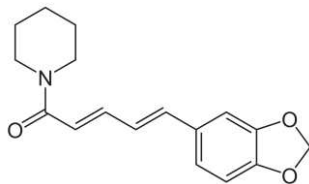


**3D Peak Display of Amarsundari Vati at 336 nm**

**HPTLC Profile<sup>†</sup>**

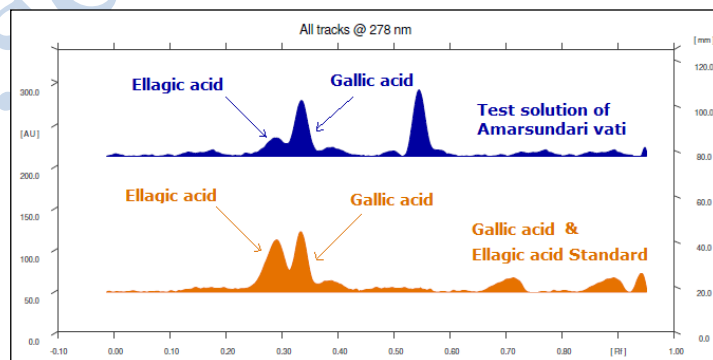
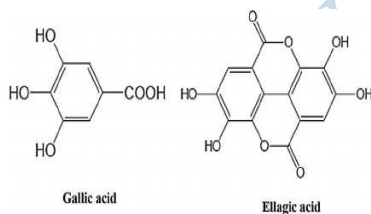
**i) Piperine**

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



**ii) 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 reference standard.



<b><i>E. coli</i></b>	Absent/g
<b><i>P. aeruginosa</i></b>	Absent/g
<b><i>Salmonella sp.</i></b>	Absent/g
<b><i>Staphylococcus sp.</i></b>	Absent/g
<b>Total Microbial plate count (TPC)</b>	Not more than 10 <sup>5</sup> c.f.u./g
<b>Total Yeast &amp; Mould count (TYMC)</b>	Not more than 10 <sup>3</sup> c.f.u./g
<b>Pesticide Residue<sup>†</sup> (OC+OP)</b>	Complies as per API
<b>Aflatoxins B1,B2,G1,G2<sup>†</sup></b>	Complies as per API

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