

## DHATUPOUSHTIK CHOORNA VATI

**Monograph No. – 0300254 ver 3.0**

Issue No: 03

Date of Issue: 05/10/2017

Text Reference : Ayurved Sara Sangraha

Amendment No : 01

Amendment Date : 18/12/2024

Shelf Life: 3 years

**Description**

Light brown coloured round biconvex coated tablets.

**Loss on Drying at 105°**

Not more than 7 % w/w

**Friability**

Not more than 1 % w/w

**Disintegration Time**

Not more than 60 minutes

**Hardness**

Not less than 2.0 kg/cm<sup>2</sup>

**Thickness**

5.5 ± 0.5 mm

**Diameter**

12.0 - 12.50 mm

**Average Weight**

660 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 12 % w/w

**Acid insoluble ash**

Not more than 5 % w/w

**Water soluble extractive**

Not less than 30 % w/w

**Alcohol soluble extractive**

Not less than 20 % w/w

**Thin Layer Chromatography**

**Solvent system**

Toluene : Ethyl acetate  
( 7 : 3 )

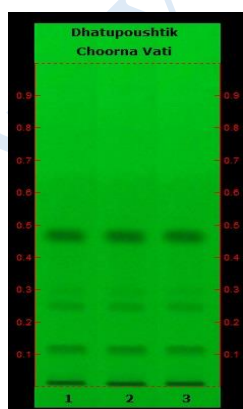
**Details**

Solvent of Extraction – Methanol

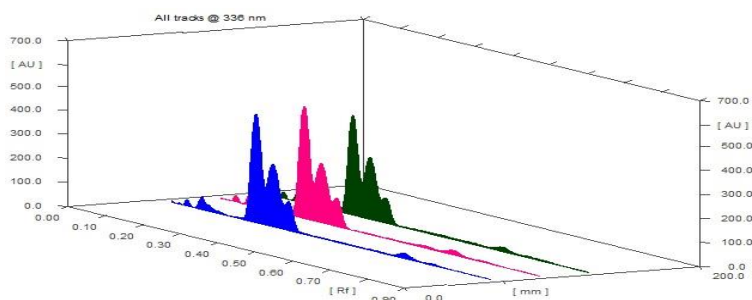
Solvent front – 90 mm

Total No. of Major spots – 4

Detection – Under UV at 254 nm



Major Spots	Colour	Approx. Rf.
1	Dark gray	0.12
2	Gray	0.25
3	Light gray	0.29
4	Black	0.47

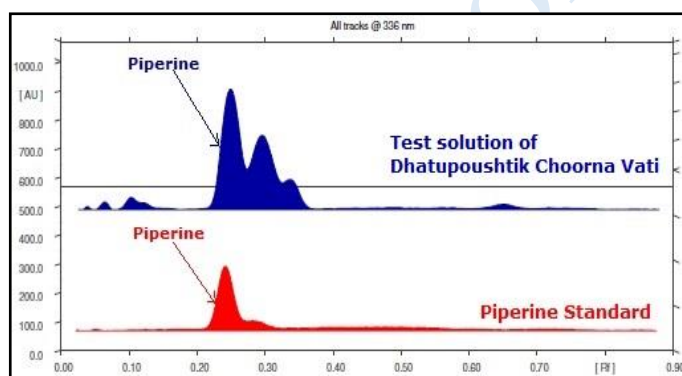
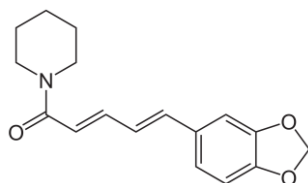


**3D Peak Display of Dhatupoushtik Choorna Vati at 336 nm**

## 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 standard.



## Heavy metal

<b>Lead (Pb)</b>	Not more than 10 ppm
<b>Mercury (Hg)</b>	Not more than 1 ppm
<b>Arsenic (As)</b>	Not more than 3 ppm
<b>Cadmium (Cd)</b>	Not more than 0.3 ppm
<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