

## PUSHYANUGA CHOORNA VATI

**Monograph No. – 0300224 ver 3.0**

Issue No: 03

Amendment No : 01

IDate of Issue: 28/03/2017

Amendment Date : 18/12/2024

Text Reference : Bhaishajya Ratnavali (Pradar) 66/25-31

Shelf Life: 3 years

**Description**

Reddish 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 min.

**Hardness**

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

**Thickness**

5.5 mm ± 0.5 mm

**Diameter**

12.0 - 12.5 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 20 % w/w

**Acid insoluble ash**

Not more than 10 % w/w

**Water soluble extractive**

Not less than 10 % w/w

**Alcohol soluble extractive**

Not less than 3 % w/w

**Thin Layer Chromatography**

**Solvent system**

Toluene : Ethyl acetate : Acetic acid  
( 5 : 5 : 0.5 )

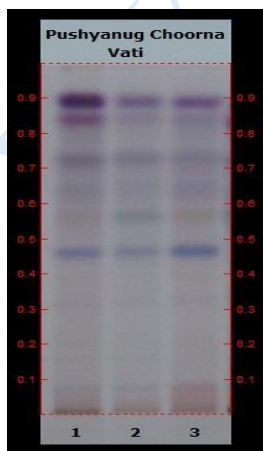
**Details**

Solvent of Extraction – Ethyl acetate

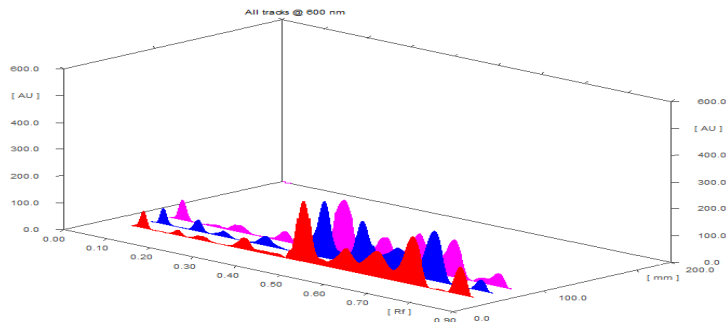
Solvent front – 90 mm

Total No. of Major spots – 10

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



Major Spots	Colour	Approx. Rf.
1	Light Blue	0.07
2	Light Blue	0.17
3	Light Blue	0.32
4	Blue	0.46
5	Green	0.56
6	Light Blue	0.64
7	Light Purple	0.70
8	Light Blue	0.72
9	Purple	0.85
10	Purple	0.90

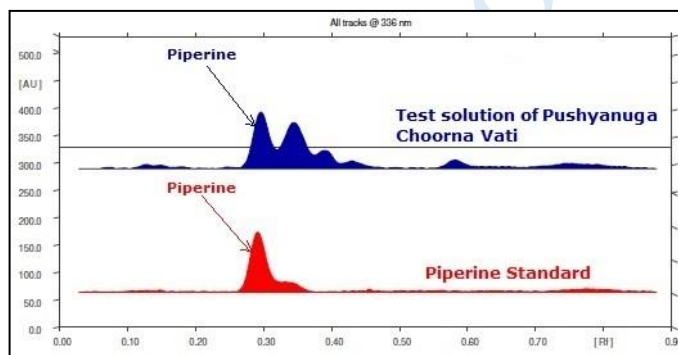
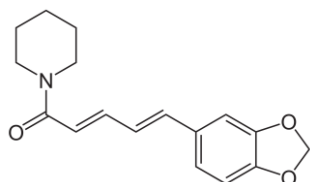


**3D Peak Display of Pushyanuga Choorna Vati at 600 nm**

**HPTLC Profile<sup>†</sup>**

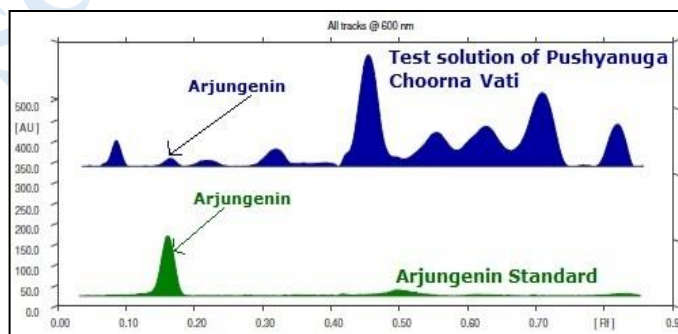
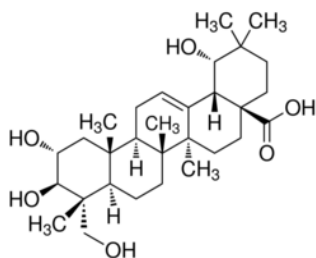
**i) Piperine**

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.



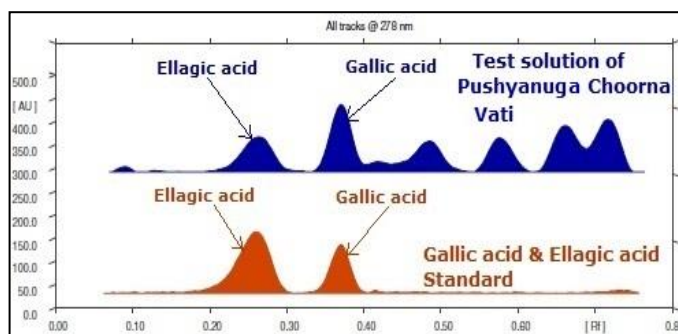
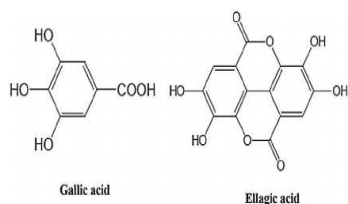
**ii) Arjungenin**

When examined in the range of 400 nm to 700 nm, the test solution shows absorption maxima at about 600 nm corresponding with Arjungenin standard.



**iii) 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.



## 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