

DHATUPOUSHTIK CHOORNA

Monograph No. – 030025 ver 3.0

Issue No: 03

Amendment No : 00

Date of Issue: 05/10/2017

Amendment Date : --

Text Reference : Ayurved Sara Sangraha

Shelf Life: 2 years

Description Light brown powder with characteristic odour slight bitter taste.

Loss on Drying at 105^o Not more than 7 % w/w

Ash Not more than 10 % w/w

Acid Insoluble Ash Not more than 5 % w/w

Water Soluble Extractive Not less than 40 % w/w

Alcohol Soluble Extractive Not less than 12 % w/w

Bulk Density 0.45 - 0.65

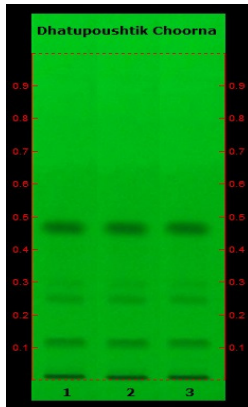
Thin Layer Chromatography Solvent system Toluene : Ethyl acetate (7 : 3)

Details Solvent of Extraction – Methanol

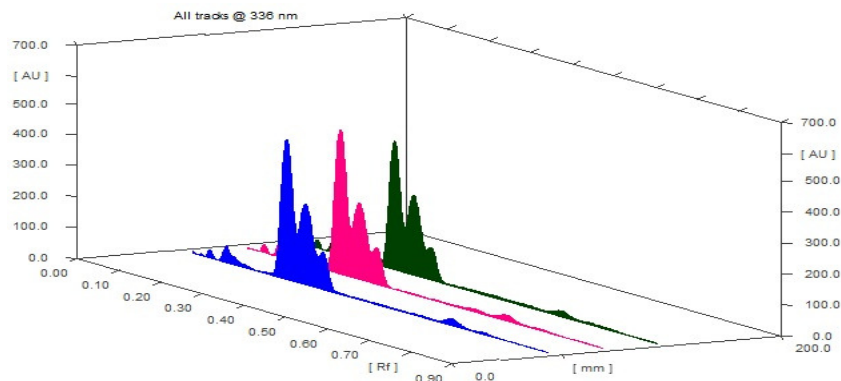
Solvent front – 90 mm

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 at 336 nm

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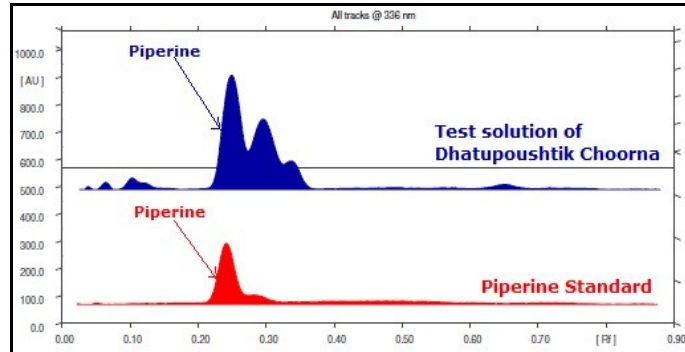
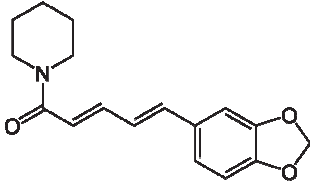
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Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile

i) 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

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

DHATUPOUSHTIK CHOORNA VATI

Monograph No. – 0300254 ver 3.0

Issue No: 03

Date of Issue: 05/10/2017

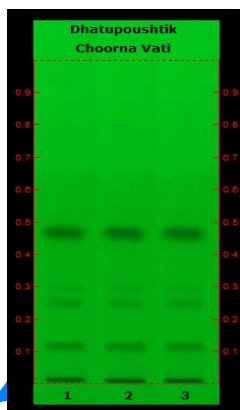
Text Reference : Ayurved Sara Sangraha

Amendment No : 00

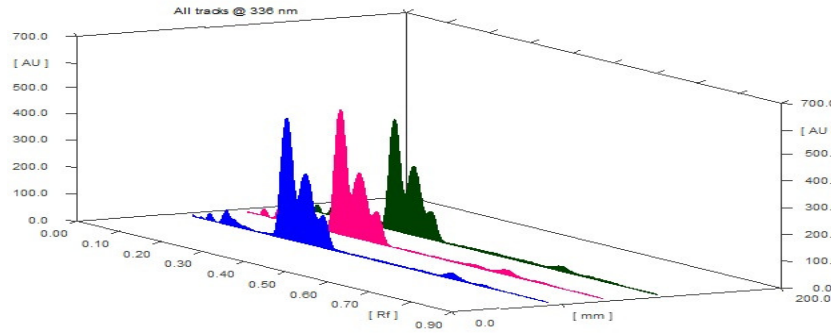
Amendment Date : --

Shelf Life: 3 years

Description	Light brown coloured round biconvex coated tablets.
Loss on Drying at 105°	Not more than 7 % w/w
Hardness	Not less than 2.0 kg/cm ²
Thickness	5.5 mm +/- 0.5 mm
Diameter	12.0 to 12.50 mm
Disintegration Time	Not more than 60 minutes
Friability	Not more than 1 % w/w
Average Weight	660 mg +/- 5%
Uniformity of weight of 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.
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

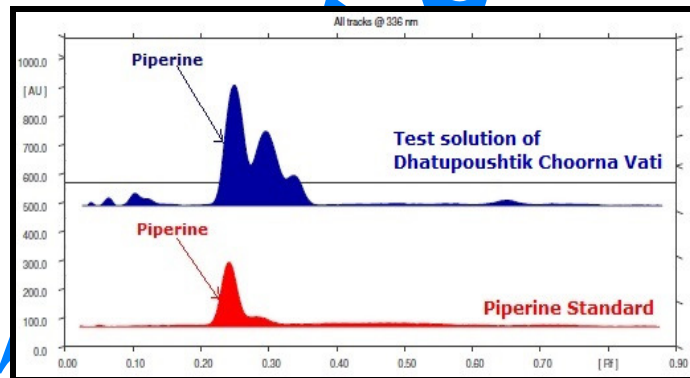
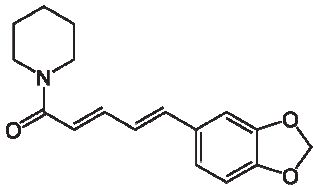


3D Peak Display of Dhatushtik Choorna Vati at 336 nm

HPTLC Profile

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

Lead (Pb)

NMT 10 ppm

Mercury (Hg)

NMT 1 ppm

Arsenic (As)

NMT 3 ppm

Cadmium (Cd)

NMT 0.3 ppm

E. coli ⁺

Absent/g

P. aeruginosa ⁺

Absent/g

Salmonella sp. ⁺

Absent/g

Staphylococcus sp. ⁺

Absent/g

Total Microbial plate count (TPC) ⁺

NMT 10⁵ c.f.u./g

Total Yeast & Mould count⁺

NMT 10³ c.f.u./g

Pesticide Residue ⁺ (OC+OP)

Complies as per API

Aflatoxins B1,B2,G1,G2 ⁺

Complies as per API