

DHATUPOUSHTIK CHOORNA

Monograph No. – 030025 ver 3.0

Issue No: 03

Date of Issue: 05/10/2017

Text Reference : Ayurved Sara Sangraha

Amendment No : 01

Amendment Date : 16/12/2024

Shelf Life: 2 years

Description

Light brown powder with characteristic odour, slight bitter taste.

Loss on Drying at 105°

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 g/ml

Thin Layer Chromatography

Solvent system

Toluene : Ethyl acetate
(7 : 3)

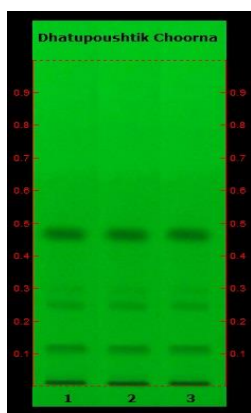
Details

Solvent of Extraction – Methanol

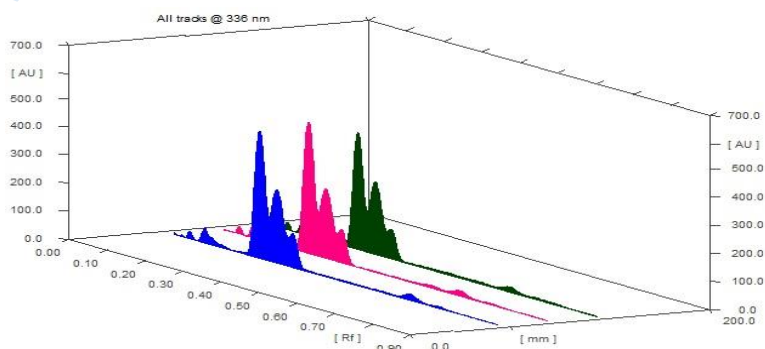
Solvent front – 90 mm

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



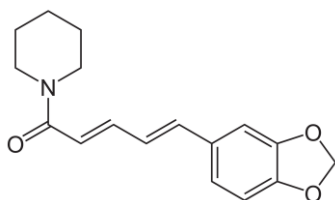
3D Peak Display of Dhatupoushtik Choorna at 336 nm

Confidential - photocopy prohibited

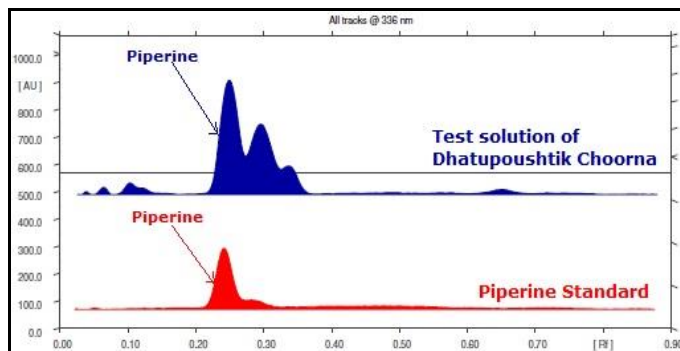
Note : [†] : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

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 10⁵ c.f.u./g

Total Yeast & Mould count (TYMC)

NMT 10³ c.f.u./g

Pesticide Residue[†] (OC+OP)

Complies as per API

Aflatoxins B1,B2,G1,G2[†]

Complies as per API