

CHOUSASHTA PIPPALI

Monograph No. – 030001 ver 3.0

Issue No: 03

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Text Reference : Ayurved Sara Sangraha

Amendment No : 00

Amendment Date : --

Shelf Life: 2 years

Description

A fine powder, Light brown to Dark brown colour, odour characteristic, taste pungent.

Loss on Drying at 105°

Not more than 12 % w/w

Ash

Not more than 15 % w/w

Acid Insoluble Ash

Not more than 5 % w/w

Water Soluble Extractive

Not less than 45 % w/w

Alcohol Soluble Extractive

Not less than 5 % w/w

Bulk Density

0.6 – 0.85

pH (1% aqueous solution)

4.0 – 5.0

Thin Layer Chromatography

Solvent system

Toluene : Ethyl acetate
(7 : 3)

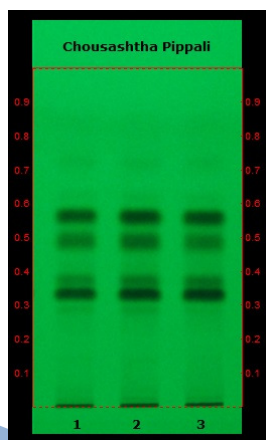
Details

Solvent of Extraction – Methanol

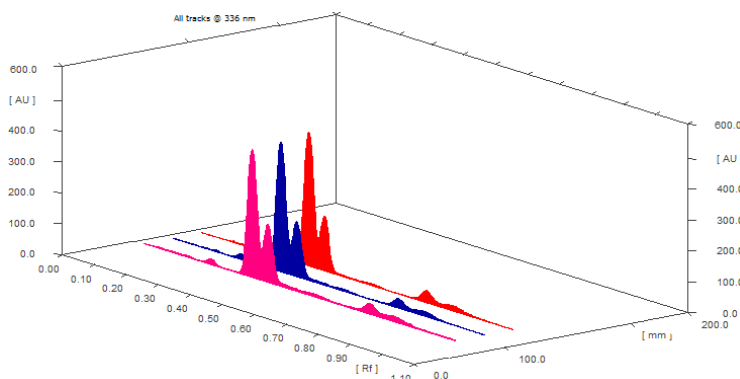
Solvent front – 90 mm

Total No. of Major spots – 5

Detection – Under UV at 254 nm



Major Spots	Colour	Approx. Rf.
1	Light Gray	0.28
2	Black	0.33
3	Gray	0.37
4	Gray	0.49
5	Black	0.57



3D Peak Display of Chousashta Pippali Choorna at 336 nm

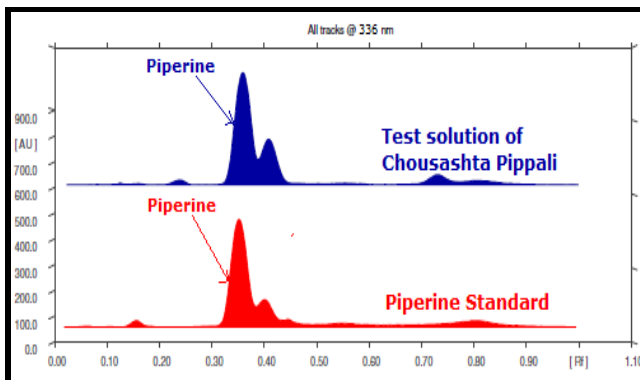
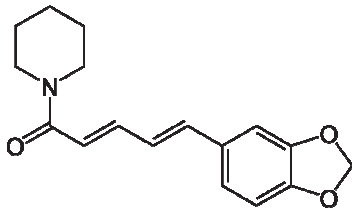
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Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

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 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