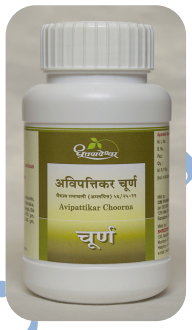
AVIPATTIKAR CHOORNA

Monograph No. – 030005 *ver 3.0*

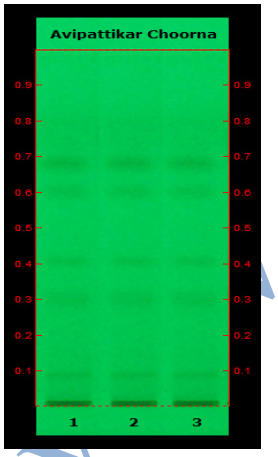
Issue No: 03 | Amendment No : 00

Date of Issue: 28/03/2017 | Amendment Date : --

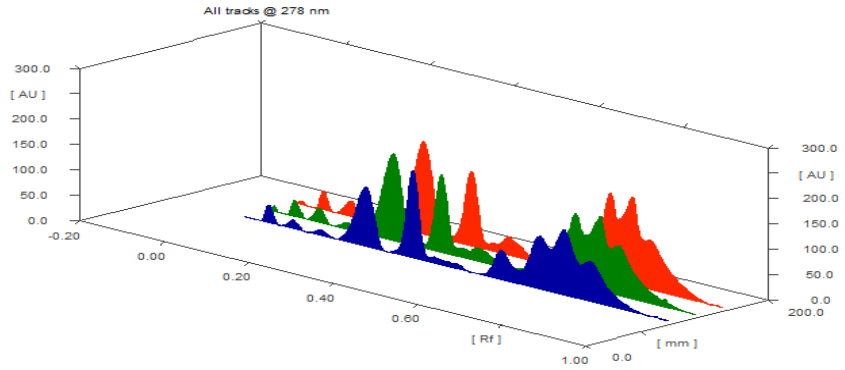
Text Reference : Bhaishajya Ratnavali (Amlapitta) 56/25-29 | Shelf Life: 2 years



Description	Moderately fine to fine powder, brown colour, odour pleasant, taste pungent and sweet.
Loss on Drying at 105^0	Not more than 7 % w/w
Ash	Not more than 6 % w/w
Acid Insoluble Ash	Not more than 5 % w/w
Water Soluble Extractive	Not less than 50 % w/w
Alcohol Soluble Extractive	Not less than 20 % w/w
Bulk Density	0.45 - 0.65
Thin Layer Chromatography Solvent system	Chloroform : Ethyl acetate : Formic acid (5 : 4 : 1.6)
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	0.08
2	Light Gray	0.30
3	Light Gray	0.40
4	Light Gray	0.60
5	Light Gray	0.68



3D Peak Display of Avipattikar Choorna at 278 nm

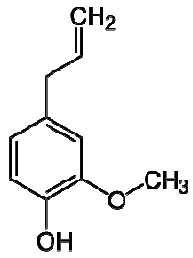
www.sdindia.com

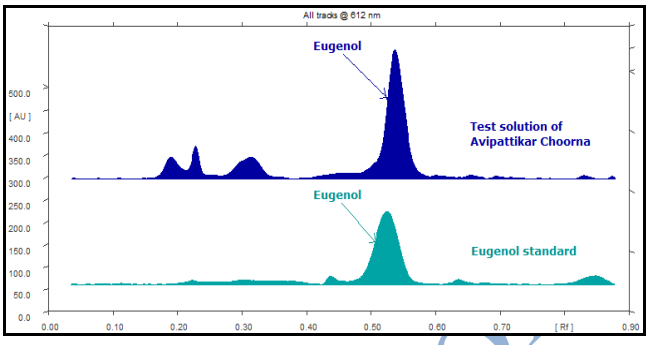
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile †

i) Eugenol

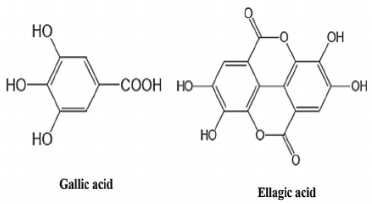
When examined in the range of 400 nm to 700 nm, the test solution shows absorption maxima at about 612 nm corresponding with Eugenol standard.

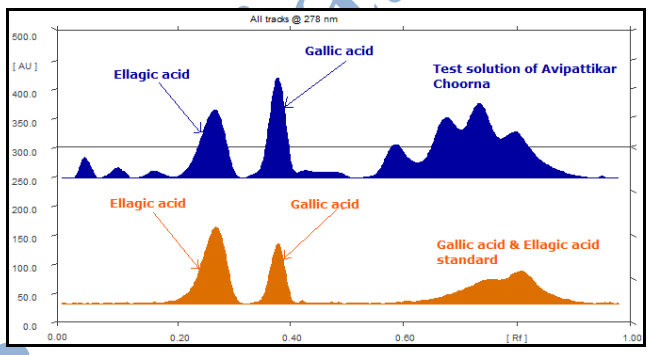




ii) Total Polyphenols (as Gallic acid & Ellagic acid)

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

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

www.shreedhootapapeshwar.com

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AVIPATTIKAR CHOORNA VATI

Monograph No. – 0300054 *ver 3.0*

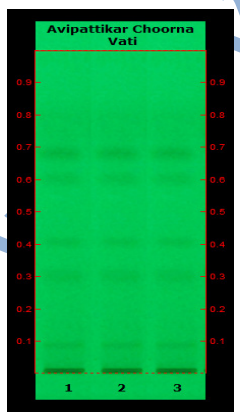
Issue No: 03 | Amendment No : 00

Date of Issue: 28/03/2017 | Amendment Date : --

Text Reference : Bhaishajya Ratnavali (Amlapitta) 56/25-29 | Shelf Life: 3 years

Description	Creamish brown coloured round biconvex coated tablets.
Loss on Drying at 105^0	Not more than 7 % w/w
Hardness	Not less than 2.0 kg/cm^2
Thickness	5.5 mm $\pm$ 0.5 mm
Diameter	12.0 - 12.5 mm
Disintegration Time	Not more than 60 min.
Average Weight	660 mg $\pm$ 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 35 % w/w
Alcohol soluble extractive	Not less than 25 % w/w
Thin Layer Chromatography Solvent system	Chloroform : Ethyl acetate : Formic acid (5 : 4 : 1.6)

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	0.08
2	Light Gray	0.30
3	Light Gray	0.40
4	Light Gray	0.60
5	Light Gray	0.68

www.sdindia.com

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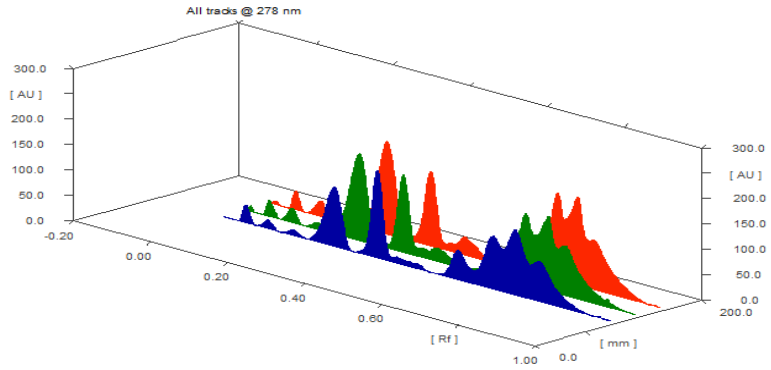
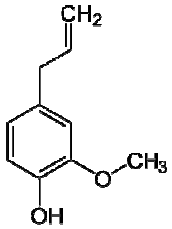


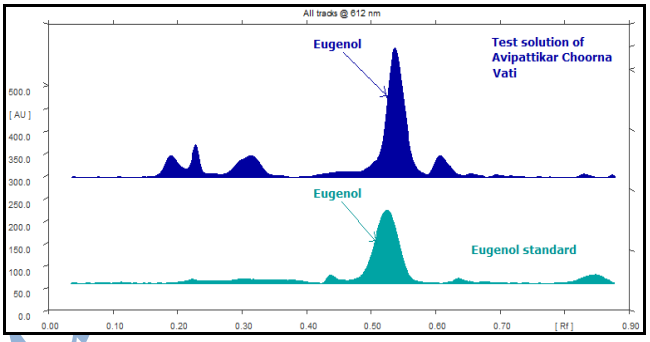
3D Peak Display of Avipattikar Choorna Vati at 278 nm

HPTLC Profile†

i) Eugenol

When examined in the range of 400 nm to 700 nm, the test solution shows absorption maxima at about 612 nm corresponding with Eugenol standard.





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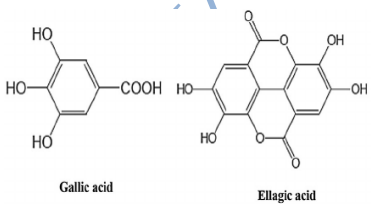

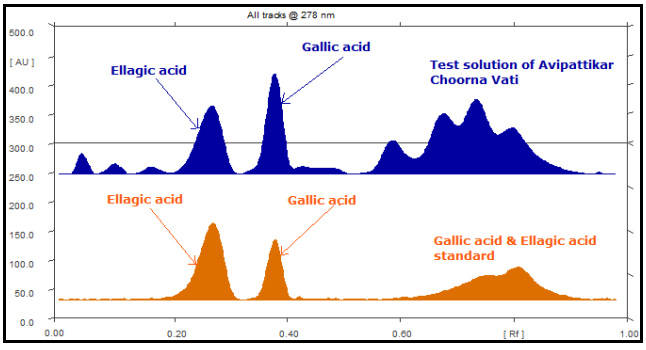

Heavy metal

Lead (Pb)	NMT 10 ppm
Mercury (Hg)	NMT 1 ppm
Arsenic (As)	NMT 3 ppm
Cadmium (Cd)	NMT 0.3 ppm

www.sdsherbs.com

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

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

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