

AVIPATTIKAR CHOORNA

Monograph No. – 030005 ver 3.0

Issue No: 03

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Text Reference : Bhaishajya Ratnavali (Amlapitta) 56/25-29

Amendment No : 01

Amendment Date : 16/12/2024

Shelf Life: 2 years

Description

Moderately fine to fine powder, brown colour, odour pleasant, taste pungent and sweet.

Loss on Drying at 105°

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 g/ml

Thin Layer Chromatography Solvent system

Chloroform : Ethyl acetate : Formic acid
(5 : 4 : 1.6)

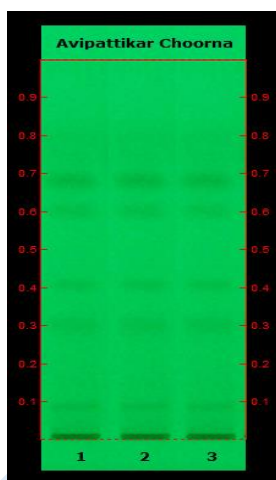
Details

Solvent of Extraction – Methanol

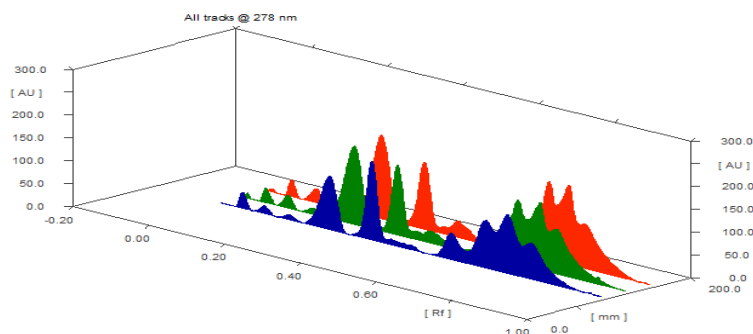
Solvent front – 90 mm

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



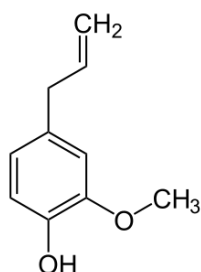
3D Peak Display of Avipattikar Choorna at 278 nm

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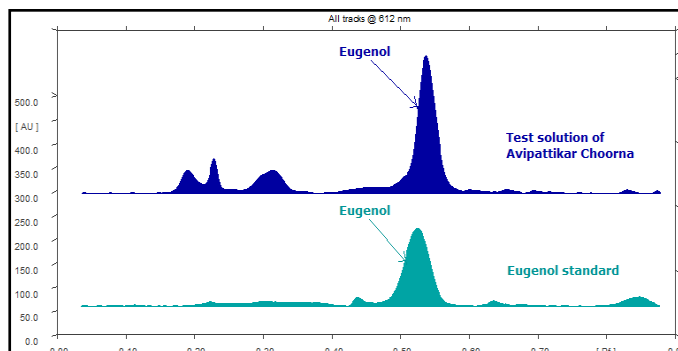
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile[†]

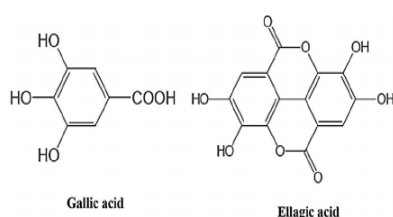
i) Eugenol



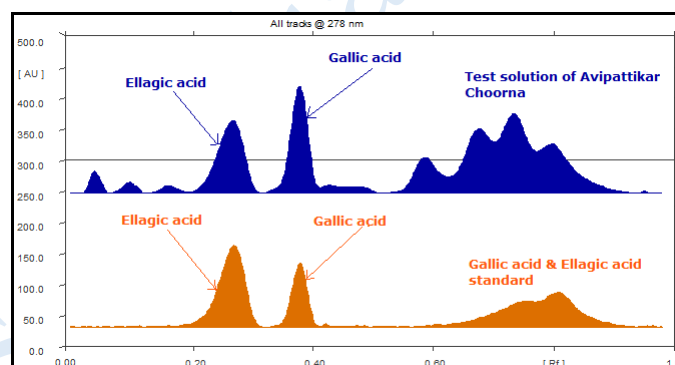
When examined in the range of 400 nm to 700 nm, the test solution shows absorption maxima at about 612 nm corresponding with Eugenol standard.



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
<i>E. coli</i>	Absent/g
<i>P. aeruginosa</i>	Absent/g
<i>Salmonella sp.</i>	Absent/g
<i>Staphylococcus sp.</i>	Absent/g
Total Microbial plate count (TPC)	NMT 10 ⁵ c.f.u./g
Total Yeast & Mould count (TYMC)	NMT 10 ³ c.f.u./g
Pesticide Residue[†] (OC+OP)	Complies as per API
Aflatoxins B1,B2,G1,G2[†]	Complies as per API