

## GANDHARVA HARITAKI CHOORNA

Monograph No. – 030057 ver 3.0

Issue No: 03

Date of Issue: 21/03/2023

Text Reference : Ayurvedic Proprietary Medicine

Amendment No : 02

Amendment Date : 16/12/2024

Shelf Life: 2 years

### Description

Moderately fine to fine powder, Greenish brown to dark brown colour, odour characteristic and astringent taste.



### Loss on Drying at 105°

Not more than 6 % w/w

### Ash

Not more than 13 % w/w

### Acid Insoluble Ash

Not more than 4 % w/w

### Water Soluble Extractive

Not less than 34 % w/w

### Alcohol Soluble Extractive

Not less than 37 % w/w

### pH (10% Aq. solution)

3.0 – 4.0

### Bulk Density

0.6 – 0.9 g/ml

### Thin Layer Chromatography

#### Mobile Phase

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

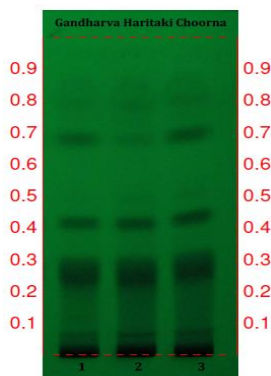
#### Details\_

Solvent of Extraction – Methanol

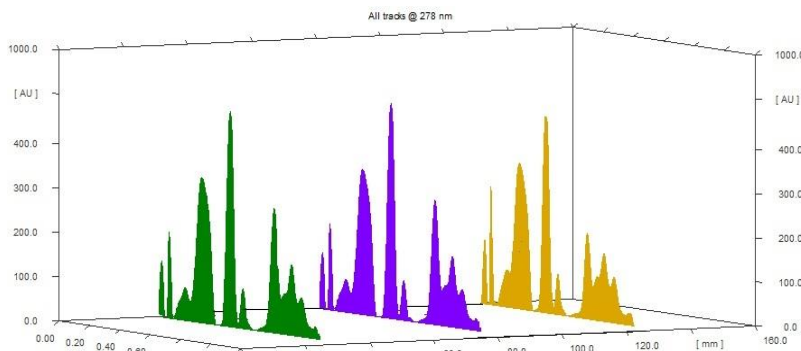
Distance travelled by solvent front – 90mm

Total No. of Major spots – 4

Detection – Under UV at 254 nm



Major Spots	Colour	Approx. Rf.
1	Black	0.07
2	Black	0.26
3	Black	0.42
4	Gray	0.68

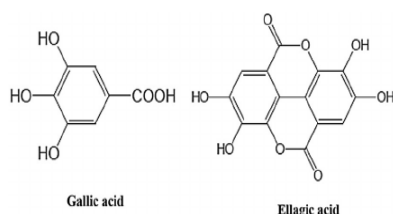


3D Peak Display of Gandharva Haritaki Choorana at 278 nm

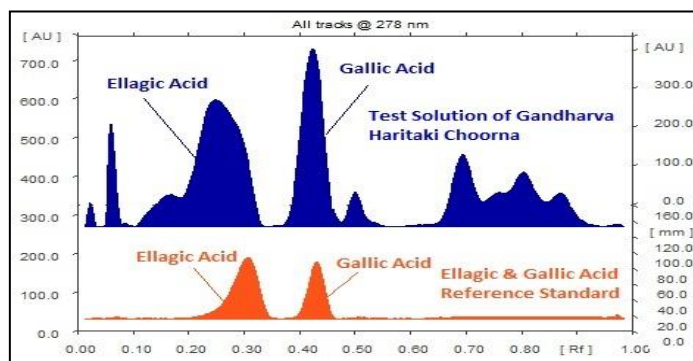
Confidential - photocopy prohibited

## HPTLC Profile

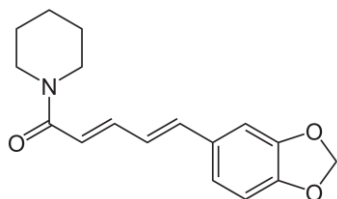
### i) Total Polyphenols (as Gallic acid & Ellagic acid)



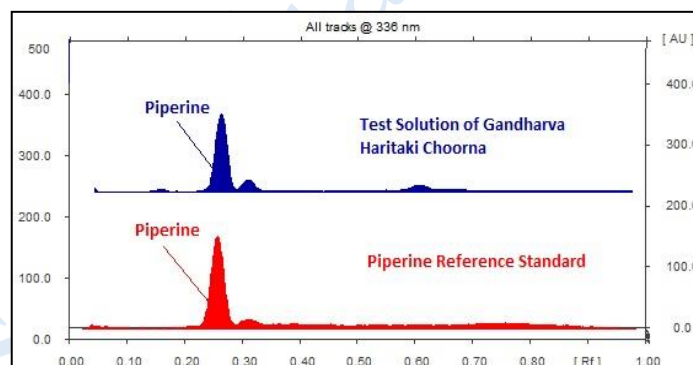
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 290 nm for Gallic acid & 278 nm for Ellagic acid corresponding with Gallic acid & Ellagic acid standard.



### ii) 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

<b>Lead (Pb)</b>	NMT 10 ppm
<b>Mercury (Hg)</b>	NMT 1 ppm
<b>Arsenic (As)</b>	NMT 3 ppm
<b>Cadmium (Cd)</b>	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<sup>5</sup> c.f.u./g

**Total Yeast & Mould count (TYMC)** NMT 10<sup>3</sup> c.f.u./g

**Pesticide Residue + (OC+OP)** Complies as per API

**Aflatoxins B1,B2,G1,G2 +** Complies as per API