

HARIDRAKHANDA CHOORNA

Monograph No. – 030138 ver 3.0

Issue No: 03

Date of Issue: 20/03/2018

Text Reference : Bhaishajya Ratnavali (Udardasheetapittakotha chikitsa) 55/18-22

Amendment No : 00

Amendment Date : --

Shelf Life: 2 years

Description

Light green colour granules, with characteristic odour & taste.

Loss on Drying at 105°

Not more than 7 % w/w

Ash

Not more than 6 % w/w

Acid Insoluble Ash

Not more than 2 % w/w

Water Soluble Extractive

Not less than 50 % w/w

Alcohol Soluble Extractive

Not less than 15 % w/w

pH

4.0 – 6.0

Iron (Fe)

NLT 0.12 %

Thin Layer Chromatography Solvent system

Chloroform : Ethanol : Glacial acetic acid
(9.4 : 0.5 : 0.1)

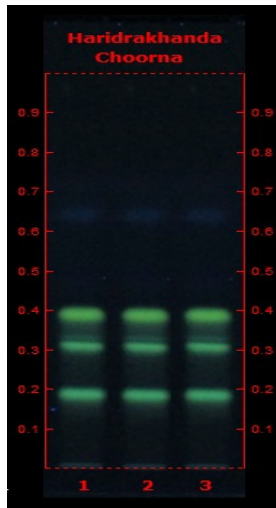
Details

Solvent of Extraction – Methanol

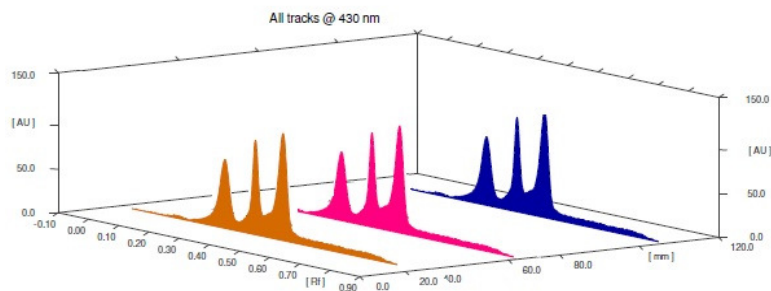
Solvent front – 90 mm

Total No. of Major spots – 4

Detection – Under UV at 366 nm



Major Spots	Colour	Approx. Rf.
1	Yellow	0.33
2	Yellow	0.42
3	Yellow	0.50
4	Blue	0.70



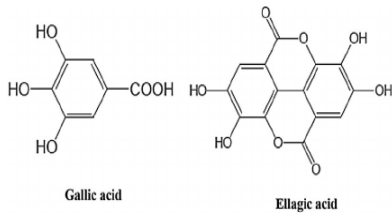
3D Peak Display of Haridra Khanda Churna at 430 nm

Confidential - photocopy prohibited

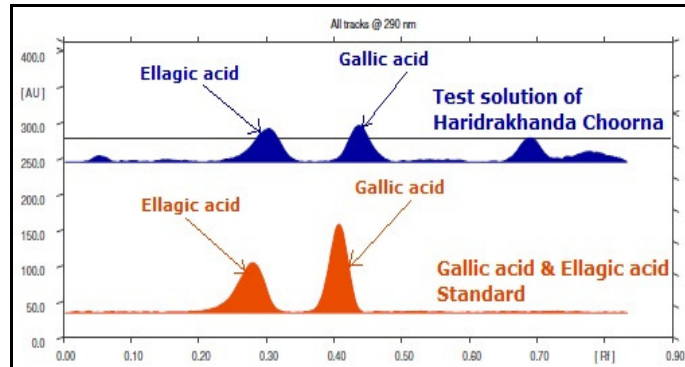
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile +

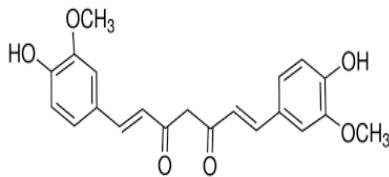
i) Total Polyphenols (as Gallic acid & Ellagic acid)



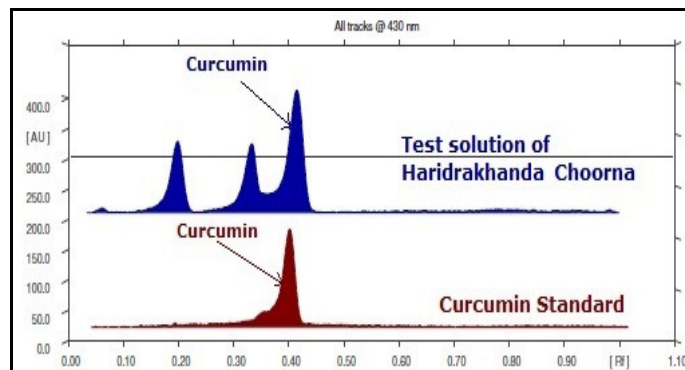
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 290 nm for Gallic acid & 278 nm for Ellagic acid corresponding with Gallic acid & Ellagic acid standard.



ii) Curcumin



When examined in the range of 200 nm to 700 nm, the test solution shows absorption maxima at about 430 nm corresponding with Curcumin 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

HARIDRAKHANDA CHOORNA VATI

Monograph No. – 0300284 ver 3.0

Issue No: 03

Amendment No : 00

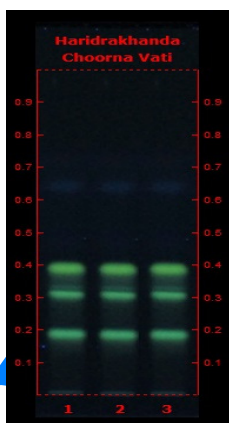
Date of Issue: 05/10/2017

Amendment Date : --

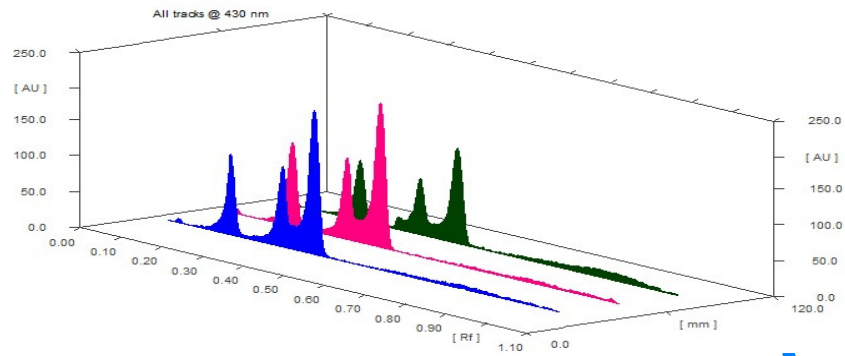
Text Reference : Bhaishajya Ratnavali (Udardasheetapittakotha chikitsa) 55/18-22

Shelf Life: 3 years

Description	Yellow coloured round biconvex coated tablets.
Loss on Drying at 105°	Not more than 5 % w/w
Hardness	Not less than 2.0 kg/cm ²
Thickness	5.5 mm +/- 0.5 mm
Diameter	12.0 to 12.50 mm
Disintegration Time	Not more than 60 minutes
Friability	Not more than 1 % w/w
Average Weight	660 mg +/- 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 10 % w/w
Acid insoluble ash	Not more than 3 % w/w
Water soluble extractive	Not less than 40 % w/w
Alcohol soluble extractive	Not less than 30 % w/w
Thin Layer Chromatography Solvent system	Chloroform ; Ethanol : Glacial acetic acid (9.4 : 0.5 : 0.1)
Details	Solvent of Extraction – Methanol Solvent front – 90 mm Total No. of Major spots – 5 Detection – Under UV at 366 nm



Major Spots	Colour	Approx. Rf.
1	Yellow	0.19
2	Yellow	0.31
3	Light yellow	0.33
4	Yellow	0.39
5	Blue	0.64

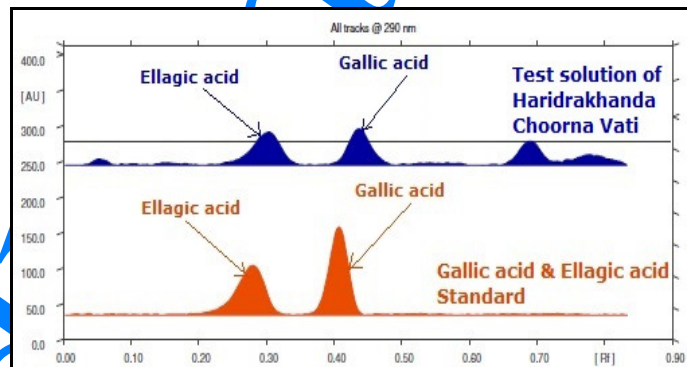
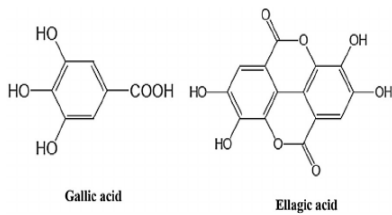


3D Peak Display of Haridrakhanda Choorna Vati at 430 nm

HPTLC Profile

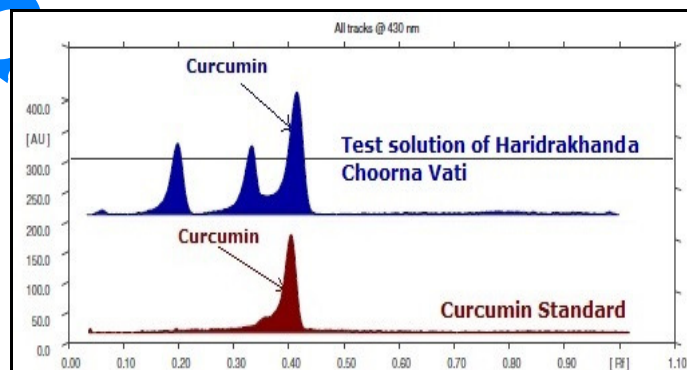
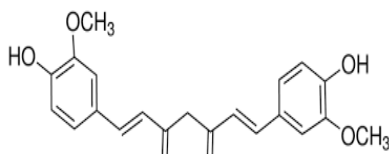
i) Total Polyphenols (as Gallic acid & Ellagic acid)

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) Curcumin

When examined in the range of 200 nm to 700 nm, the test solution shows absorption maxima at about 430 nm corresponding with Curcumin 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.salindia.com