

PANCHAMRUT LOHA GUGGUL

Monograph No. – 0400274 ver 3.0

Issue No: 03

Amendment No : 03

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Text Reference : Bhaishajya Ratnavali (Mastishkaroga) 101/14-17

Shelf Life: 5 years

Description

Brown to dark brown colour, round biconvex coated tablet having SDL mark on one side.

Loss on Drying at 105°

Not more than 6 % w/w

Friability

Not more than 1 % w/w

Disintegration Time

Not more than 60 min.

Hardness

Not less than 1.5 kg/cm²

Thickness

5.0 ± 0.5 mm

Diameter

8.0 ± 0.5 mm

Average Weight

379 mg ± 5%

Uniformity of weight

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 53 % w/w

Acid insoluble ash

Not more than 32 % w/w

Water soluble extractive

Not less than 10 % w/w

Alcohol soluble extractive

Not less than 3 % w/w

pH (1% Aq. Solution)

6.0 - 8.0

Elemental assay

Iron (Fe)

20 – 35 mg/tab

Copper (Cu)

Not less than 1.7 mg/tab

Silver (Ag)

10 – 15 mg/tab

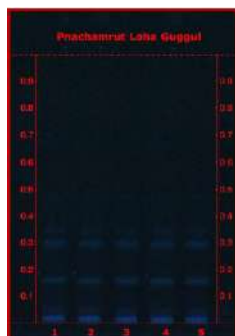
Mercury (Hg)

14 – 18 mg/tab

Thin Layer Chromatography Solvent system

Toluene : Acetone
(9.0 : 1.0)

Details



Solvent of Extraction – Methanol

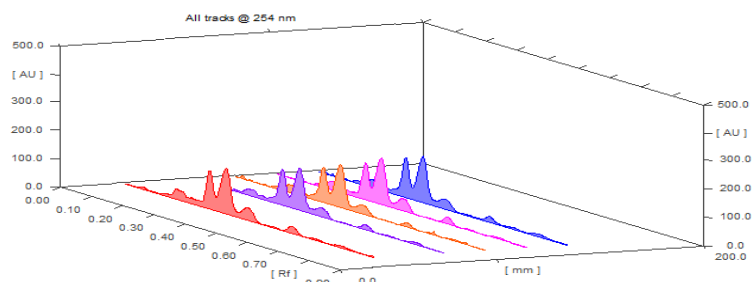
Solvent front – 90 mm

Total No. of Major spots – 4

Detection – Under UV at 366 nm

Major Spots	Colour	Approx. Rf.
1	Fluorescent Blue	0.16
2	Fluorescent Blue	0.30
3	Light Blue	0.35
4	Light Blue	0.48



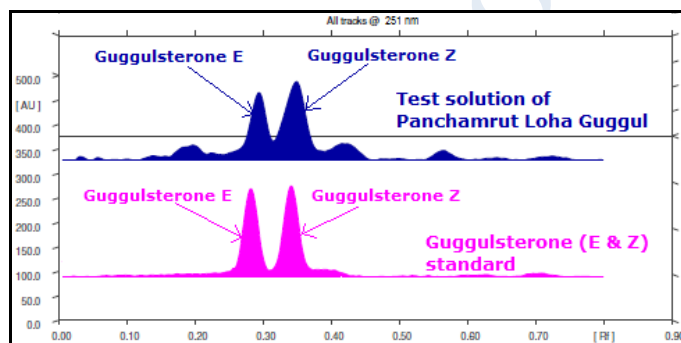
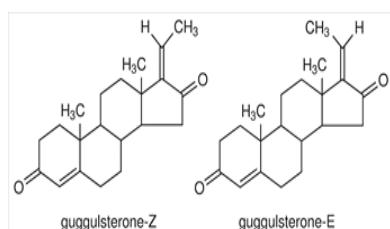


3D Peak Display of Panchamrut Loha Guggul at 254 nm

HPTLC Profile[†]

i) Guggulsterone (E & Z)

When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 251 nm corresponding with Guggulsterone (E & Z) standard.



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 (TYMC)

NMT 10³ c.f.u./g

Pesticide Residue[†] (OC+OP)

Complies as per API

Aflatoxins B1,B2,G1,G2[†]

Complies as per API