

VIDANGADYA LOHA

Monograph No. – 1800034 ver 3.0

Issue No: 03

Date of Issue: 22/03/2023

Text Reference : Bhaishajya Ratnavali 39/22-25

Amendment No : 00

Amendment Date : --

Shelf Life: 5 years

Description

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

Loss on Drying at 105°

Not more than 7 % w/w

Friability

Not more than 1 % w/w

Disintegration Time

Not more than 60 min.]

Hardness

Not less than 2 kg/cm²

Thickness

4.5 ± 0.5 mm

Diameter

8.0 ± 0.5 mm

Average Weight

310 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 63 % w/w

Acid insoluble ash

Not more than 60 % w/w

Water soluble extractive

Not less than 4 % w/w

Alcohol soluble extractive

Not less than 1 % w/w

pH (1 % Aq. Solution)

5.0 - 6.5

Elemental Assay

Iron (Fe)

65.0 – 100.0 mg/tablet

Thin Layer Chromatography Solvent system

Toluene : Ethyl Acetate
(7.0 : 3.0)

Details

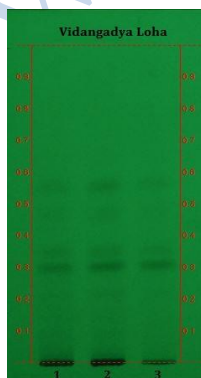
Solvent of Extraction – Methanol

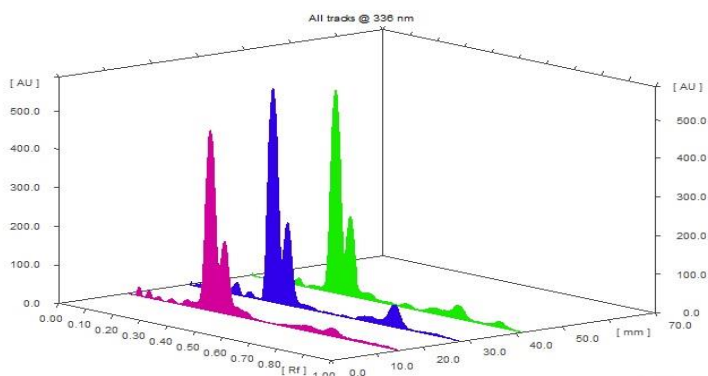
Solvent front – 90 mm

Total No. of Major spots – 4

Detection – Under UV at 254 nm

Major Spots	Colour	Approx. Rf.
1	Gray	0.29
2	Light Gray	0.35
3	Light Gray	0.47
4	Gray	0.55



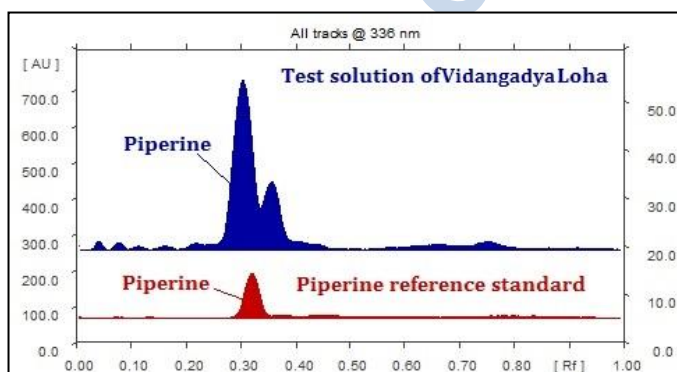
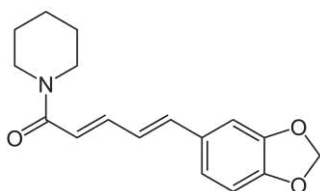


3D Peak Display of Vidangadya Loha at 336 nm

HPTLC Profile[†]

i) 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.



<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)	Not more than 10 ⁵ c.f.u./g
Total Yeast & Mould count (TYMC)	Not more than 10 ³ c.f.u./g
Pesticide Residue[†] (OC+OP)	Complies as per API
Aflatoxins B1,B2,G1,G2[†]	Complies as per API