

AGNIKUMAR RASA

Monograph No. – 0800014 ver 3.0

Issue No: 03

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Text Reference : Bharat Bhaishajya Ratnakar 1/257

Amendment No : 01

Amendment Date : 23/04/2022

Shelf Life: 5 years

Description

Gray to Dark gray colour, round biconvex 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 30 min.

Hardness

Not less than 2 kg/cm²

Thickness

4.5 ± 0.5 mm

Diameter

8.0 ± 0.5 mm

Average Weight

294 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 30 % w/w

Acid insoluble ash

Not more than 7 % w/w

Water soluble extractive

Not less than 20 % w/w

Alcohol soluble extractive

Not less than 4 % w/w

pH (1 % Aq. Solution)

8.0 - 10.5

Elemental Assay

Mercury (Hg)

12 – 17 mg/tab

Sulphur (S)

12 – 17 mg/tab

Calcium (Ca)

20 – 28 mg/tab

Thin Layer Chromatography Solvent system

Chloroform : Hexane : Methanol
(5 : 4.8 : 0.2)

Details

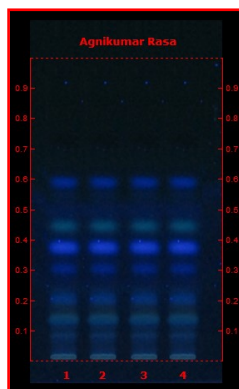
Solvent of Extraction – Methanol

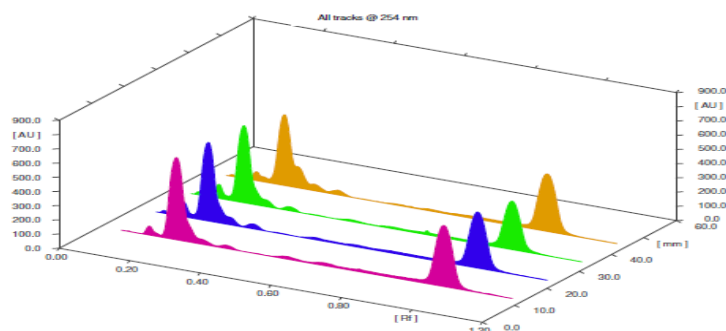
Solvent front – 90 mm

Total No. of Major spots – 7

Detection – Under UV at 366 nm

Major Spots	Colour	Approx. Rf.
1	Light Blue	0.08
2	Light Blue	0.14
3	Blue	0.20
4	Blue	0.30
5	Fluorescent Blue	0.38
6	Light Blue	0.44
7	Fluorescent Blue	0.59



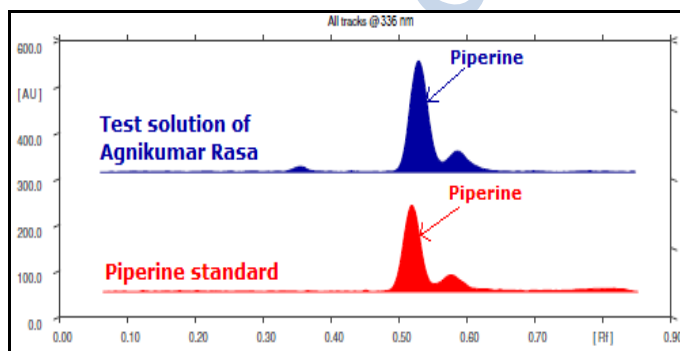
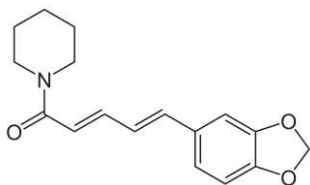


3D Peak Display of Agnikumar Rasa at 254 nm

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.



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 (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