UNMATTA RASA

Monograph No. – 0802504 *ver 3.0*

Issue No: 03   Amendment No : 00

Date of Issue: 17/06/2023   Amendment Date : --

Text Reference : Rasa Yogasagar Part-1/402   Shelf Life: 5 years

Description	Dark gray to black colour, round convex tablets having SDL mark on one side.
Loss on Drying at 105^0	Not more than 10 % w/w
Friability	Not more than 1 % w/w
Disintegration Time	Not more than 60 min.
Hardness	Not less than 2 kg/cm^2
Thickness	4.7 $\pm$ 0.5 mm
Diameter	8.0 $\pm$ 0.5 mm
Average Weight	325 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 12 % w/w
Acid insoluble ash	Not more than 5 % w/w
Water soluble extractive	Not less than 8 % w/w
Alcohol soluble extractive	Not less than 2 % w/w
pH (1 % Aq. Solution)	5.0 – 6.5
Elemental Assay	
Mercury (Hg)	50.0 – 75.0 mg/tab
Sulphur (S)	50.0 – 75.0 mg/tab

Thin Layer Chromatography
Mobile Phase   Toluene : Ethyl acetate
                                      (7   :   3   )
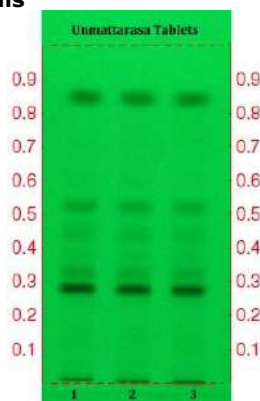
Details   Solvent of Extraction – Methanol

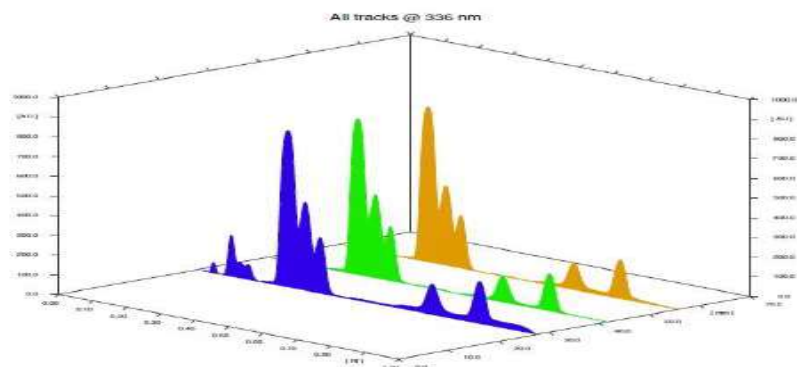Solvent front – 90 mm

Total No. of Major spots – 5

Detection – Under UV at 254 nm

Major Spots	Colour	Approx. Rf
1	Black	0.28
2	Gray	0.33
3	Gray	0.45
4	Dark Gray	0.53
5	Black	0.85

Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.
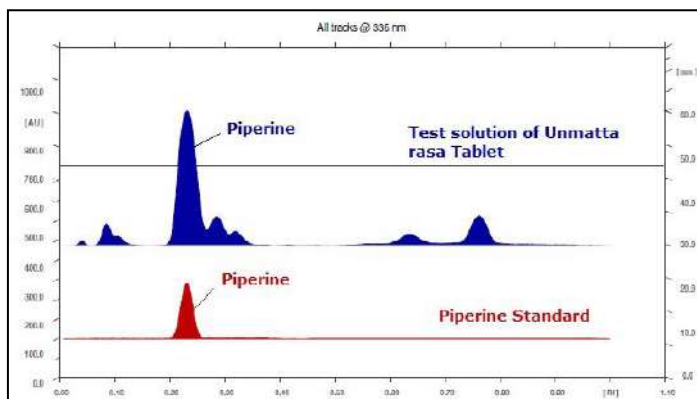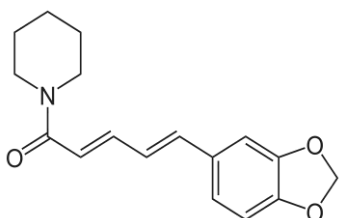
3D Peak Display of Unmatta Rasa at 336 nm

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.

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

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