MADHUMALINI VASANT

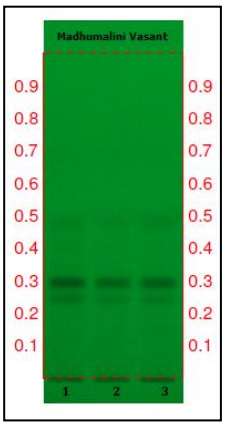
Monograph No. – 0802504 *ver 3.0*

Issue No: 03
Date of Issue: 07/08/2021
Text Reference : Rasayogsagar 2/519

Amendment No : 01
Amendment Date : 24/01/2025
Shelf Life: 5 years

Description	Brown to Dark brown colour round convex coated tablet having SDL mark on one side
Loss on Drying at 105^0	Not more than 6 % 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	4.0 $\pm$ 0.5 mm
Diameter	8.0 $\pm$ 0.5 mm
Average Weight	275 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 35 % 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 3 % w/w
pH (1% Aq. Solution)	6.5 - 9.0
Elemental assay	
Mercury (Hg)	18.0 - 27.0 mg/tablet
Zinc (Zn)	15.5 - 23.5 mg/tablet
Sulphur (S)	7.5 - 11.5 mg/tablet
Thin Layer Chromatography	
Solvent system	Toluene : Ethyl acetate (7 : 3)
Details	Solvent of Extraction – Methanol Solvent front – 90 mm Total No. of Major spots – 4 Visualization – Under UV at 254 nm



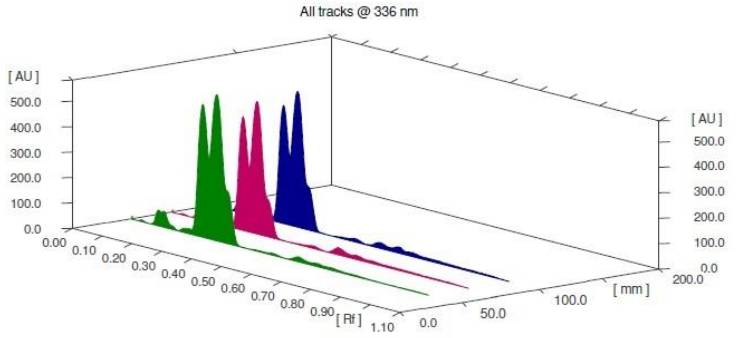


Major Spots	Colour	Approx. Rf.
1	Light gray	0.25
2	Gray	0.29
3	Light gray	0.40
4	Light gray	0.47

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

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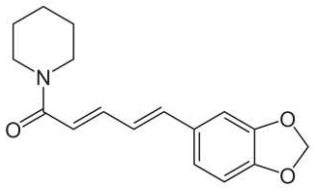


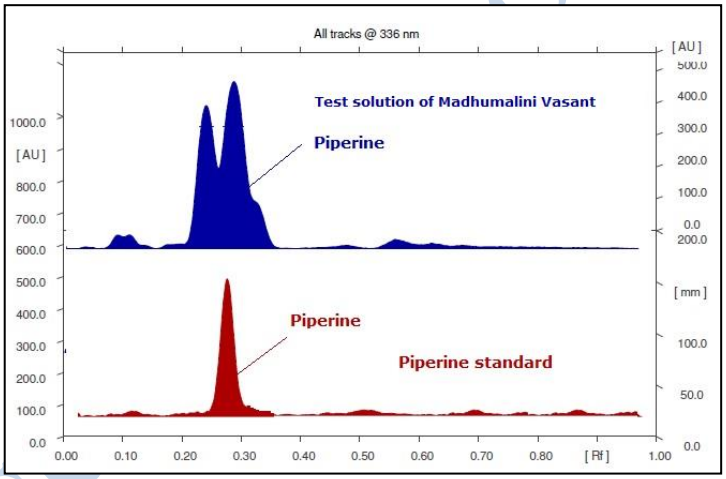
3D Peak Display of Madhumalini Vasant at 336 nm

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)	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

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