MAHAMANJISHTHADI KADHA

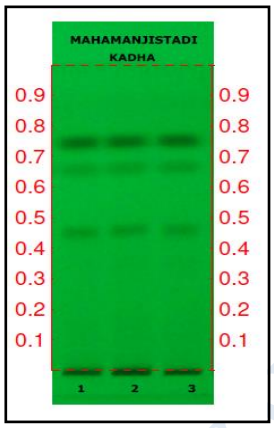
Monograph No. – 100009 *ver 3.0*

Issue No: 03
Date of Issue: 16/03/2017
Text Ref : Sharangdhar Samhita Madhyam Khanda 2/139-144

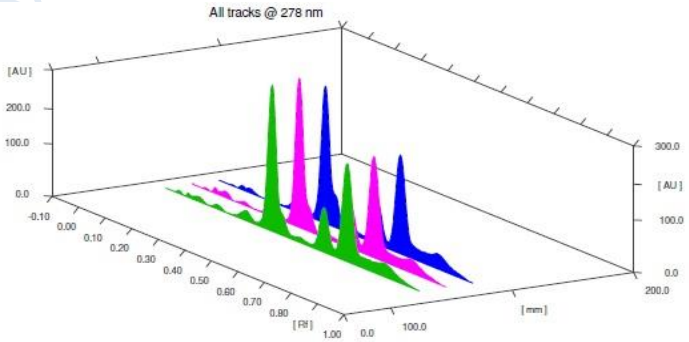
Amendment No : 02
Amendment Date : 16/03/2024
Shelf Life: 3 years



Description	Brown coloured liquid, characteristic fermented odour, taste bitter and astringent.
pH	3.5 – 5.0
Specific Gravity at 25^0	1.00 - 1.15 g/ml
Brix	25 – 40 %
Alcohol content	7 – 11 % v/v
Thin Layer Chromatography Solvent system	Chloroform : Ethyl acetate : Formic acid (5 : 4 : 1.6)
Details	Solvent of Extraction – Methanol Distance travelled by solvent front – 90mm Total No. of Major spots – 3 Detection – Under UV at 254nm



Major Spots	Colour	Approx. Rf.
1	Gray	0.46
2	Gray	0.65
3	Black	0.74



3D Peak Display of Mahamanjishthadi Kadha at 278 nm

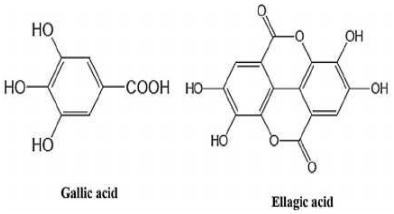
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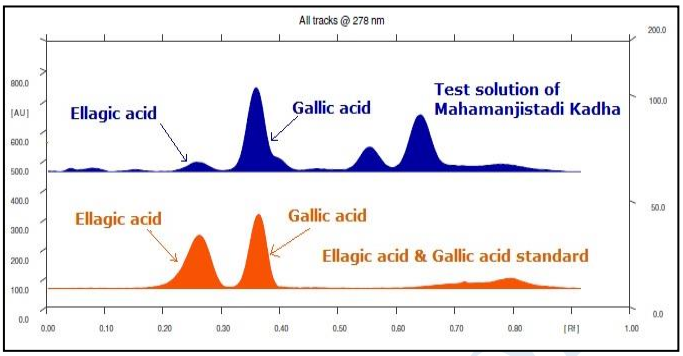
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile[+]

i) Total Polyphenols (as Gallic acid & Ellagic acid)

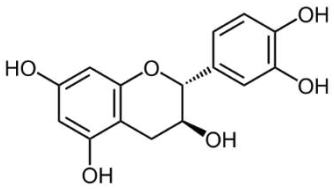
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 290 nm for Gallic acid & 278 nm for Ellagic acid corresponding with Gallic acid & Ellagic acid standard.

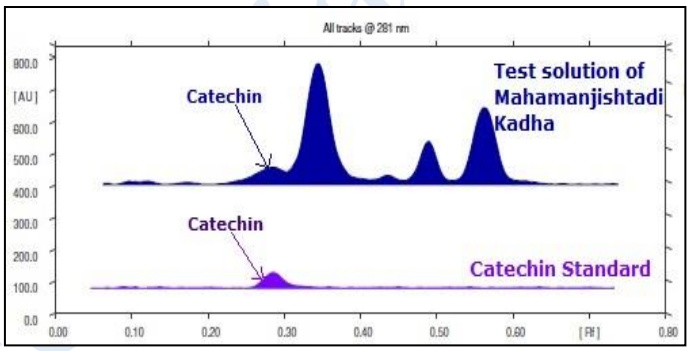




ii) Catechin

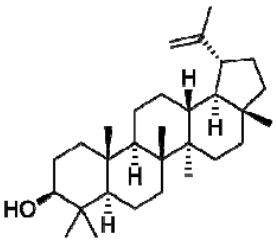
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 280 nm corresponding with Catechin standard.

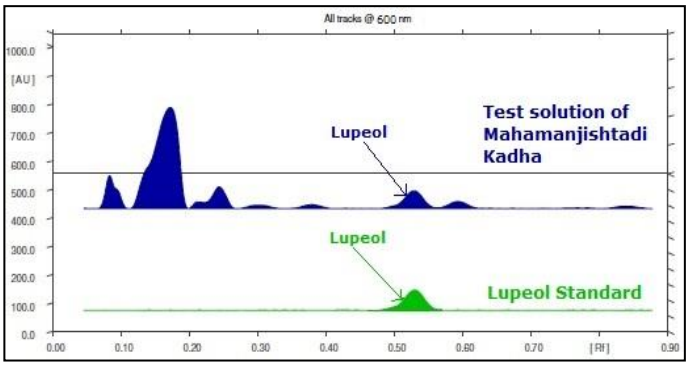




iii) Lupeol

When examined in the range of 400 nm to 700 nm, the test solution shows absorption maxima at about 600 nm corresponding with Lupeol standard.





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

Heavy metal	
Lead (Pb)	NMT 10 ppm
Mercury (Hg)	NMT 1 ppm
Arsenic (As)	NMT 3 ppm
Cadmium (Cd)	NMT 0.3 ppm
E. coli	Absent/ml
P. aeruginosa	Absent/ml
Salmonella sp.	Absent/ml
Staphylococcus sp.	Absent/ml
Total Microbial Plate Count (TPC)	NMT 10^5 c.f.u./ml
Total Yeast & Mould Count (TYMC)	NMT 10^3 c.f.u./ml
Pesticide Residue † (OC+OP)	Complies as per API
Aflatoxins B1,B2,G1,G2 †	Complies as per API

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