BHOONIMBADI KADHA

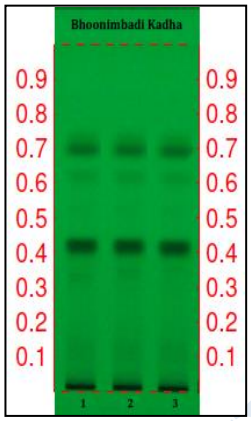
Monograph No. 100045 *ver 3.0*

Issue No: 03
Date of Issue: 25/01/2021
Text Ref : Yog Ratnakar II (Amlapitta)

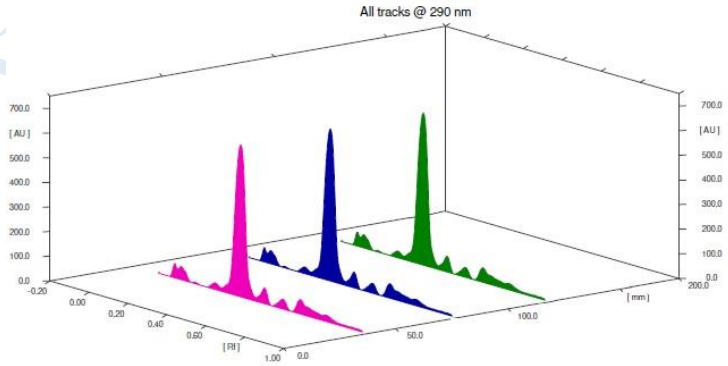
Amendment No : 01
Amendment Date : 16/03/2024
Shelf Life: 3 years



Description	Dark brown coloured liquid, characteristic fermented odour, taste bitter and astringent, prominent Kiratikta/Nimba.
pH	4.0 – 5.0
Specific Gravity at 25⁰	1.05 – 1.15 g/ml
Brix	20 – 35 %
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 – 6 Detection – Under UV at 254 nm



Major Spots	Colour	Approx. Rf.
1	Light Gray	0.12
2	Light Gray	0.33
3	Black	0.42
4	Light Gray	0.62
5	Dark Gray	0.70
6	Light Gray	0.73



3D Peak Display of Bhoonimbadi Kadha at 290 nm

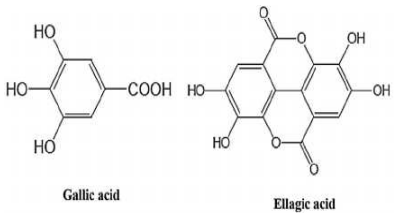
www.sdindia.com

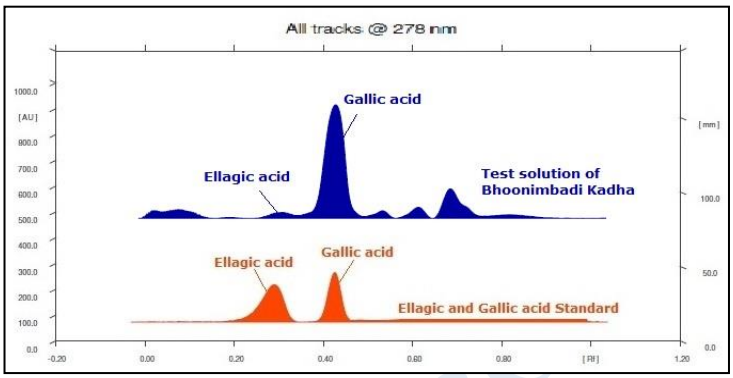
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile[+]

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

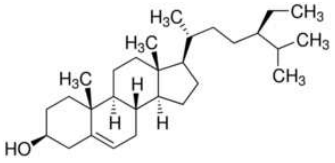
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 290 nm for Gallic acid & 278 nm for Ellagic acid corresponding with Gallic acid & Ellagic acid standard.

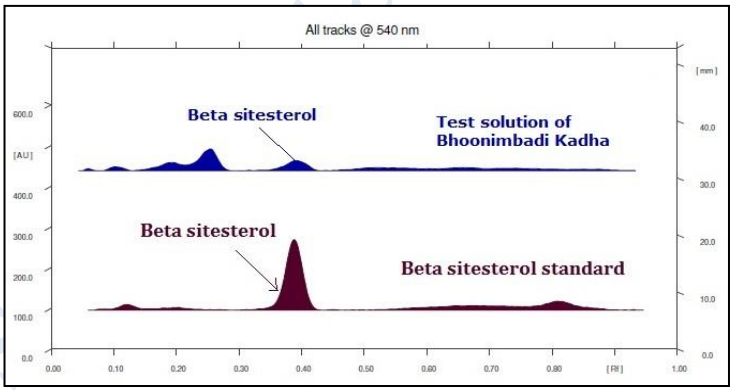




ii) Beta Sitesterol

When examined in the range of 400 nm to 700 nm, the test solution shows absorption maxima at about 540 nm corresponding with Beta-Sitosterol standard.





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

Confidential - photocopy prohibited

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