GOKHARU (TRIKANTAKADI) KADHA

Monograph No. 100102 *ver 3.0*

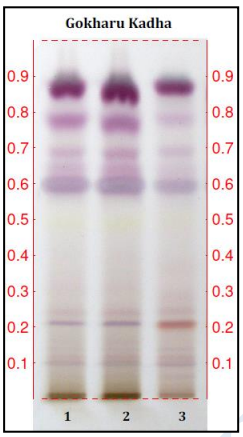
Issue No: 03
Date of Issue: 25/01/2021
Text Ref : Bhaishajya Ratnavali (Mootrakruchchhra) 34/22

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



Description	Brown coloured liquid, characteristic fermented odour, taste sweet, astringent followed by slight bitter.
pH	4.0 - 5.0
Specific Gravity at 25^0	1.00 - 1.10 g/ml
Brix	15 - 30 %
Alcohol content	7 – 11 % v/v
Thin Layer Chromatography Solvent system	Toluene : Ethyl acetate : Formic acid (7 : 2 : 1)

Details



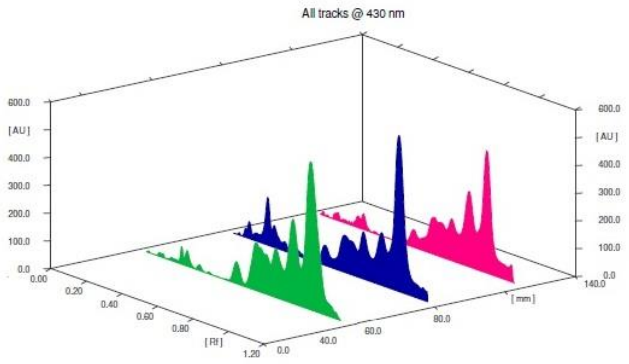
Solvent of Extraction – 5 % Methanolic HCl + D/W, then partitioned with Chloroform

Distance travelled by solvent front – 90 mm

Total No. of Major spots – 7

Detection – After spray with Anisaldehyde sulphuric acid reagent

Major Spots	Colour	Approx. Rf.
1	Purple	0.10
2	Violet	0.21
3	Yellow	0.50
4	Dark Purple	0.59
5	Purple	0.68
6	Violet	0.77
7	Dark Violet	0.86



3D Peak Display of Gokharu (Trikantakadi) Kadha at 430 nm

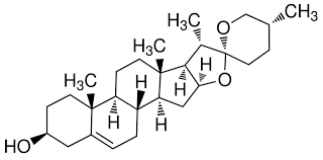
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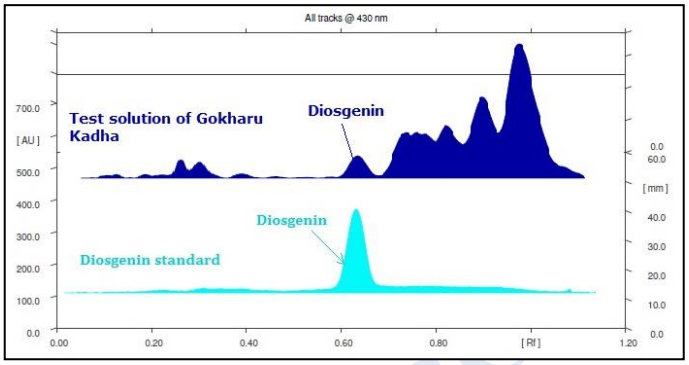
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile[+]

i) Diosgenin

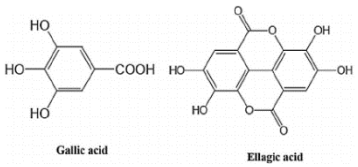
When examined in the range of 400 nm to 700 nm, the test solution shows absorption maxima at about 430 nm corresponding with Diosgenin standard.

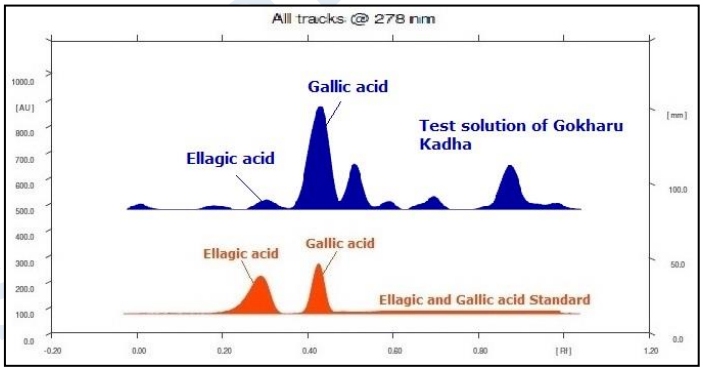




ii) Total Polyphenols (as Gallic acid & Ellagic acid)

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.





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
Tota 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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