

## BRUHAT VARUNADI KADHA

**Monograph No. 100101 ver 3.0**

Issue No: 03

Date of Issue: 25/01/2021

Text Ref : Bhaishyajya Ratnavali (Ashmari) 36/4-5

Amendment No : 01

Amendment Date : 16/03/2024

Shelf Life: 3 years

### Description

Brown coloured liquid, characteristic fermented odour, taste sweet followed, salty of yavakshara & astringent

### pH

4.0 - 5.0

### Specific Gravity at 25°

1.05 - 1.15 g/ml

### Brix

20 - 30 %

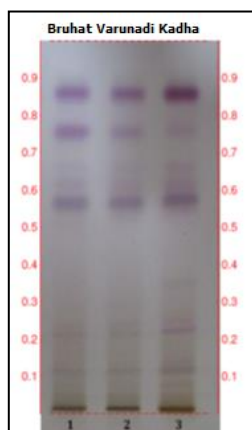
### Alcohol content

7 - 11 % v/v

### Thin Layer Chromatography Solvent system

Chloroform : Ethyl acetate : Formic acid  
( 7 : 2 : 1 )

### Details



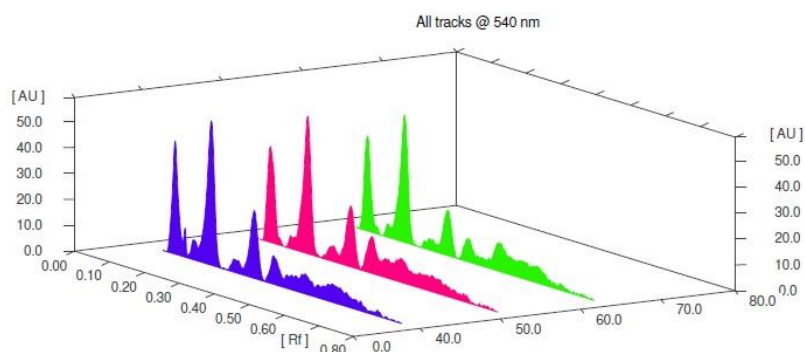
Solvent of Extraction - 5% Ethanolic HCl + D/W, then partitioned with Chloroform

Distance travelled by solvent front - 90 mm

Total No. of Major spots - 9

Detection - After spray with Anisaldehyde sulphuric acid reagent

Major Spots	Colour	Approx. Rf.
1	Purple	0.11
2	Light Purple	0.21
3	Light Purple	0.24
4	Light Violet	0.35
5	Violet	0.57
6	Purple	0.61
7	Light Purple	0.67
8	Light Purple	0.75
9	Purple	0.86



**3D Peak Display of Bruhat Varunadi Kadha at 540 nm**

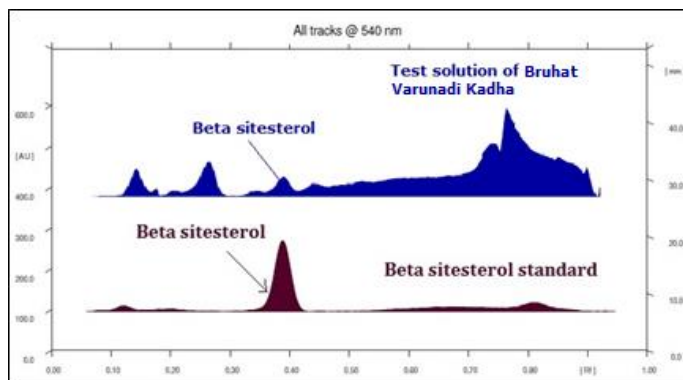
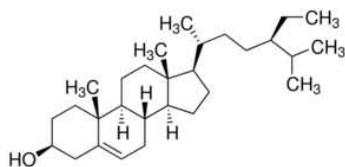
**Confidential - photocopy prohibited**

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

## HPTLC Profile<sup>†</sup>

### i) Beta Sitosterol

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<sup>5</sup> c.f.u./ ml

**Total Yeast & Mould Count (TYMC)**

NMT 10<sup>3</sup> c.f.u./ ml

**Pesticide Residue <sup>†</sup> (OC+OP)**

Complies as per API

**Aflatoxins B1,B2,G1,G2 <sup>†</sup>**

Complies as per API