

## MAHARASNADI KADHA

Monograph No. – 100010 ver 3.0

Issue No: 03

Date of Issue: 16/03/2017

Text Reference : Sharangdhar Samhita Madhyam Khanda 2/90-96

Amendment No : 01

Amendment Date : 16/03/2024

Shelf Life: 3 years

### Description

Dark brown coloured liquid, characteristic fermented odour, taste bitter and astringent.



### pH

4.0 – 5.0

### Specific Gravity at 25°

1.00 - 1.15 g/ml

### Brix

22 – 35 %

### Alcohol content

7 – 11 % v/v

### Thin Layer Chromatography Solvent system

Toluene : Ethyl acetate : Formic acid : Methanol  
( 3 : 3 : 0.8 : 0.2 )

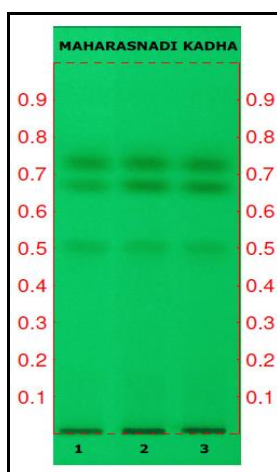
### Details

Solvent of Extraction – Methanol

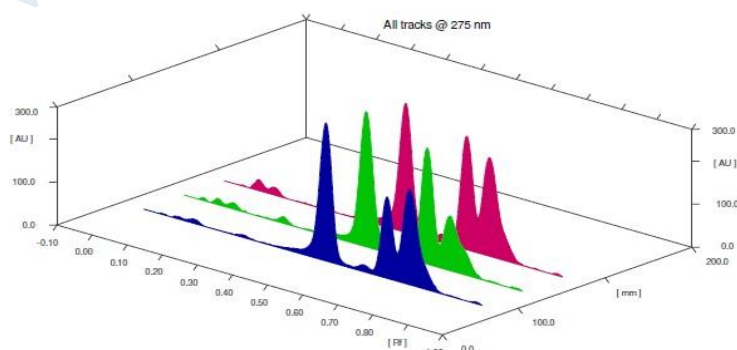
Distance travelled by solvent front – 90 mm

Total No. of Major spots – 4

Detection – Under UV at 254nm



Major Spots	Colour	Approx. Rf.
1	Light Gray	0.12
2	Gray	0.49
3	Gray	0.67
4	Gray	0.74



3D Peak Display of Maharasnadi Kadha at 275 nm

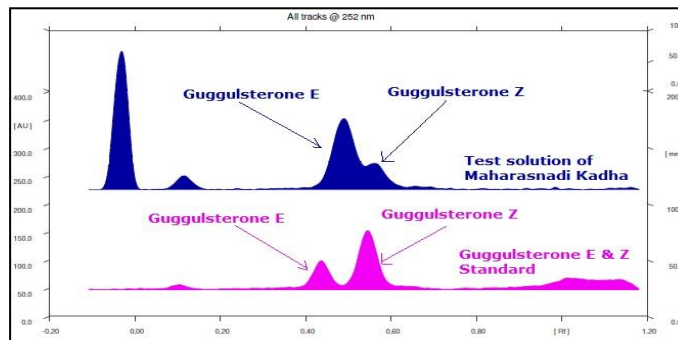
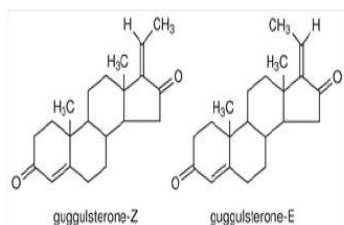
**Confidential - photocopy prohibited**

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>

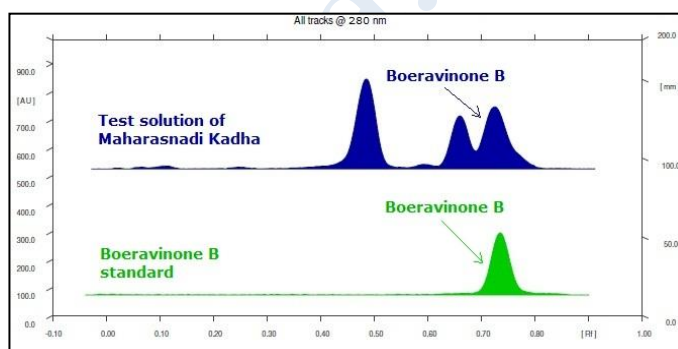
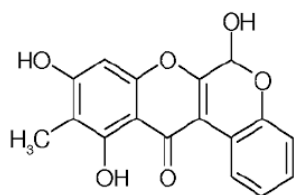
### i) Guggulsterone (E & Z)

When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 252 nm corresponding with Guggulsterone (E & Z) standard.



### ii) Boeravinone B

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