

## KAMADUGHA (WITH MOUKTIK)

Monograph No. – 050004 ver 3.0

Issue No: 03

Date of Issue: 27/07/2017

Text Reference : Rasayogasagar 1/157

Amendment No : 02

Amendment Date : 09/08/2023

Shelf Life: 5 years

### Description

Light orange to brown colour fine powder, odourless, taste slight bitter.

### Loss on Drying at 105°

Not more than 5 % w/w

### Ash

Not less than 63.5 % w/w

### Acid Insoluble Ash

Not more than 15 % w/w

### Water soluble extractive

Not less than 1 % w/w

### Alcohol soluble extractive

Not less than 0.5 % w/w

### pH (1 % Aq. Solution)

9.5 – 11.5

### Bulk Density

0.65 – 1.10

### Elemental Assay

#### Calcium (Ca)

Not less than 24.0 % w/w

### Thin Layer Chromatography Solvent system

Chloroform : 1,2 Dichloromethane  
( 8.4 : 1.6 )

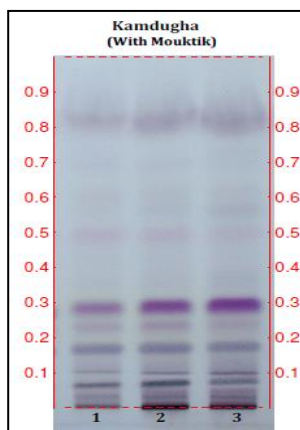
### Details

Solvent of Extraction – Chloroform

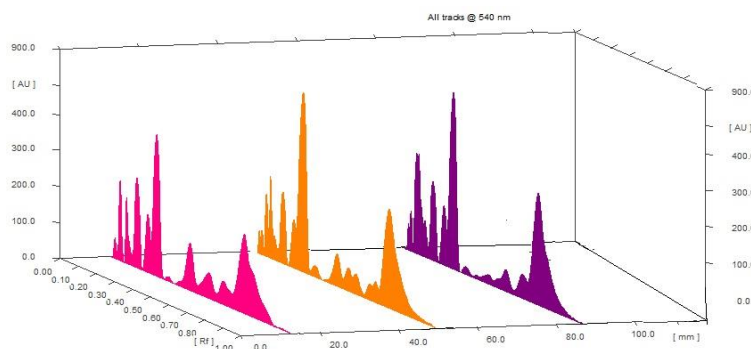
Distance traveled by solvent front – 90 mm

Total No. of Major spots – 5

Detection – After spraying Anisaldehyde H<sub>2</sub>SO<sub>4</sub>



Major Spots	Colour	Approx. Rf.
1	Purple	0.06
2	Violet	0.18
3	Pink	0.22
4	Purple	0.30
5	Light Purple	0.81



3D Peak Display of Kamadugha (With Mouktik) at 540 nm

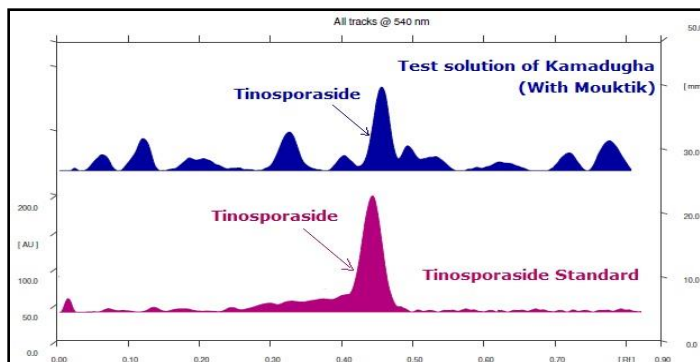
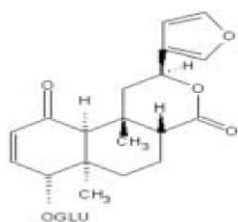
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Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

## HPTLC Profile<sup>†</sup>

### i) Tinosporaside

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



<b>E. coli</b>	Absent/g
<b>P. aeruginosa</b>	Absent/g
<b>Salmonella sp.</b>	Absent/g
<b>Staphylococcus sp.</b>	Absent/g
<b>Total Microbial plate count (TPC)</b>	NMT 10 <sup>5</sup> c.f.u./g
<b>Total Yeast &amp; Mould count (TYMC)</b>	NMT 10 <sup>3</sup> c.f.u./g
<b>Pesticide Residue<sup>†</sup> (OC+OP)</b>	Complies as per API
<b>Aflatoxins B1,B2,G1,G2<sup>†</sup></b>	Complies as per API