

## MYOSTAAL GEL

Monograph No. – 070224 ver 3.0

Issue No: 03

Date of Issue: 28/10/2016

Text Reference : Ayurvedic Proprietary Medicine

Amendment No : 00

Amendment Date : --

Shelf Life: 3 years

### Description

Light greenish white coloured, viscous, creamy preparation; odour pleasant, characteristic.

### Loss on Drying at 105°

Not less than 70 % w/w

### pH (5% aqueous solution)

5.5 – 6.5

### Bulk Density

0.95 - 1.05

### Total Volatile Matter

19 - 21.5 % w/w

### Thin Layer Chromatography Mobile Phase

Toluene : Ethyl acetate : Glacial acetic acid  
( 9 : 1 : 0.1 )



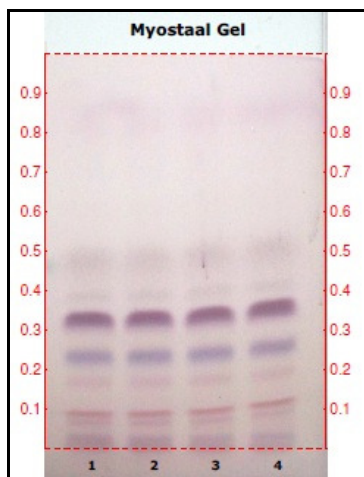
### Details

Solvent of Extraction – Methanol

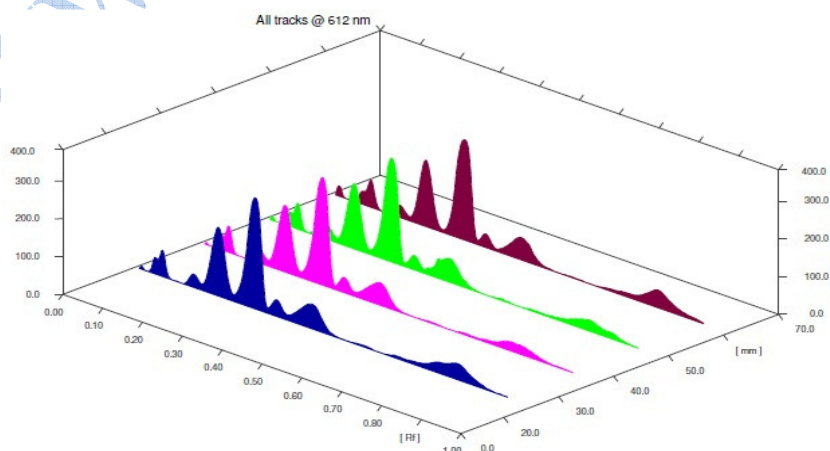
Solvent front – 90 mm

Total No. of Major spots – 7

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



Major Spots	Colour	Approx. Rf.
1	Gray	0.07
2	Pink	0.10
3	Gray	0.18
4	Violet	0.24
5	Purple	0.33
6	Light Gray	0.39
7	Gray	0.48



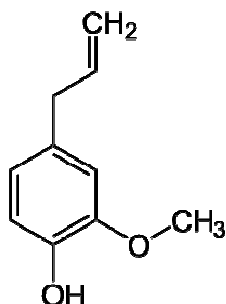
3D Peak Display of Myostaal Gel at 612 nm

**Confidential – photocopy prohibited**

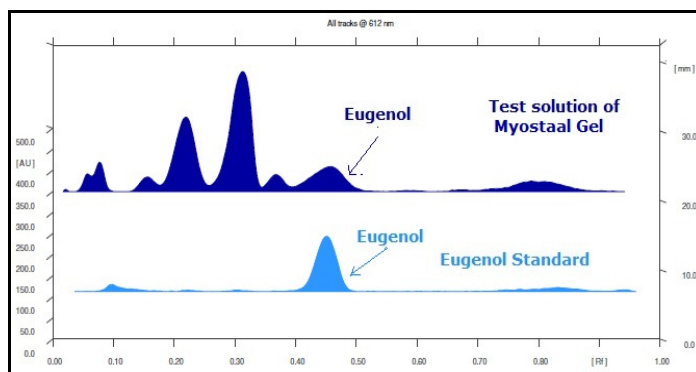
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

## HPTLC Profile

### i) Eugenol



When examined in the range of 400 nm to 700 nm, the test solution shows absorption maxima at about 612 nm corresponding with Eugenol standard.



## Heavy metal

<b>Lead (Pb)</b>	NMT 10 ppm
<b>Mercury (Hg)</b>	NMT 1 ppm
<b>Arsenic (As)</b>	NMT 3 ppm
<b>Cadmium (Cd)</b>	NMT 0.3 ppm
<b>E. coli <sup>+</sup></b>	Absent/g
<b>P. aeruginosa <sup>+</sup></b>	Absent/g
<b>Salmonella sp. <sup>+</sup></b>	Absent/g
<b>Staphylococcus sp. <sup>+</sup></b>	Absent/g
<b>Total Microbial plate count (TPC) <sup>+</sup></b>	NMT 10 <sup>5</sup> c.f.u./g
<b>Total Yeast &amp; Mould count<sup>+</sup></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