

MYOSTAAL GEL

Monograph No. – 070224 ver 3.0

Issue No: 03

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Text Reference : Ayurvedic Proprietary Medicine

Amendment No : 01

Amendment Date : 03/09/2024

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 g/ml

Total Volatile Matter

19 - 21.5 % w/w

Thin Layer Chromatography Mobile Phase

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

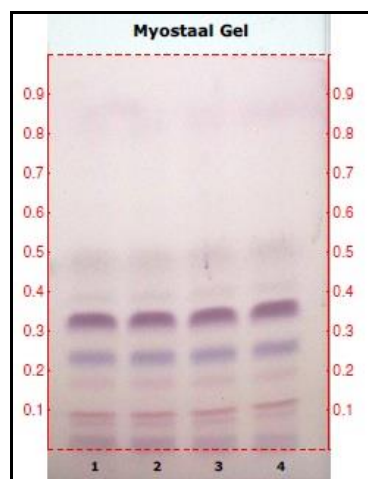
Details

Solvent of Extraction – Methanol

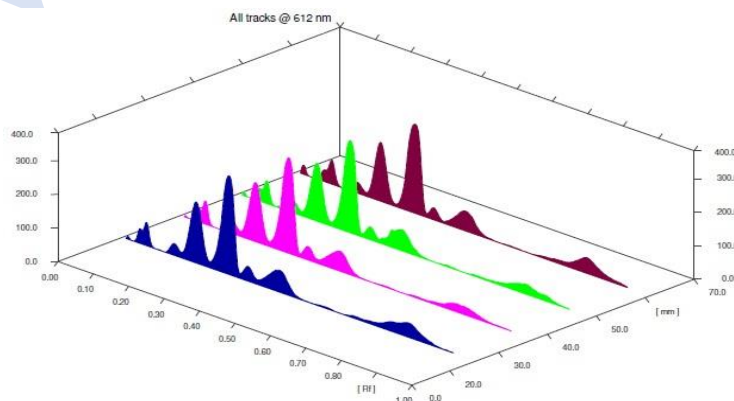
Solvent front – 90 mm

Total No. of Major spots – 7

Detection – After spraying Anisaldehyde H₂SO₄



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



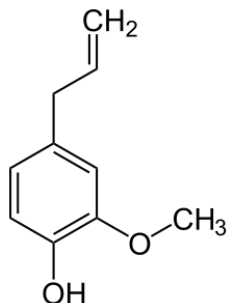
3D Peak Display of Myostaal Gel at 612 nm

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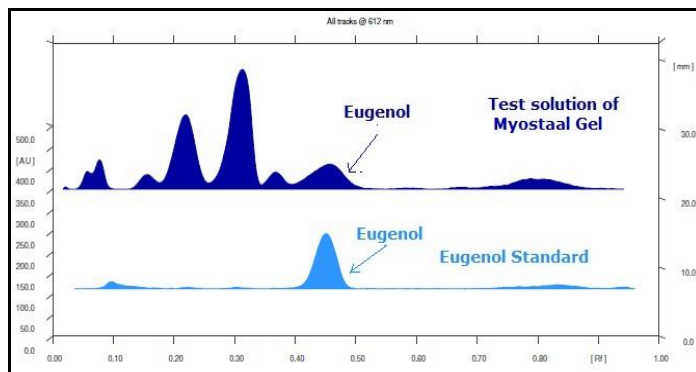
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile[†]

i) 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

Lead (Pb)	NMT 10 ppm
Mercury (Hg)	NMT 1 ppm
Arsenic (As)	NMT 3 ppm
Cadmium (Cd)	NMT 0.3 ppm
<i>E. coli</i>	Absent/g
<i>P. aeruginosa</i>	Absent/g
<i>Salmonella sp.</i>	Absent/g
<i>Staphylococcus sp.</i>	Absent/g
Total Microbial plate count (TPC)	NMT 10 ⁵ c.f.u./g
Total Yeast & Mould count (TYMC)	NMT 10 ³ c.f.u./g
Pesticide Residue[†] (OC+OP)	Complies as per API
Aflatoxins B1,B2,G1,G2[†]	Complies as per API