

PYROFLEX LINIMENT

Monograph No. – 070234 ver 3.0

Issue No: 03

Amendment No : 02

Date of Issue: 28/10/2016

Amendment Date : 03/09/2024

Text Reference : Ayurvedic Proprietary Medicine

Shelf Life: 3 years

Description

Transparent red coloured oil, Smell characteristic cool, slightly irritating & warm to skin on application.

Solubility

Insoluble in water; sparingly soluble in alcohol (95%), freely soluble in petroleum ether, in benzene, and in dichloromethane.

Weight per ml

0.85 - 0.95 g/ml

Refractive Index

1.4650 – 1.4760

Iodine Value

30 – 45

Thin Layer Chromatography Mobile Phase

Toluene : Ethyl acetate
(7 : 3)

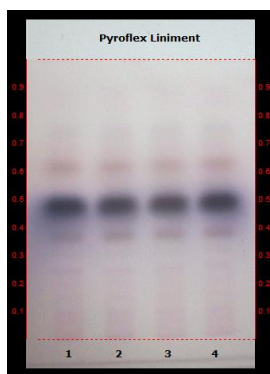
Details

Solvent of Extraction – Methanol

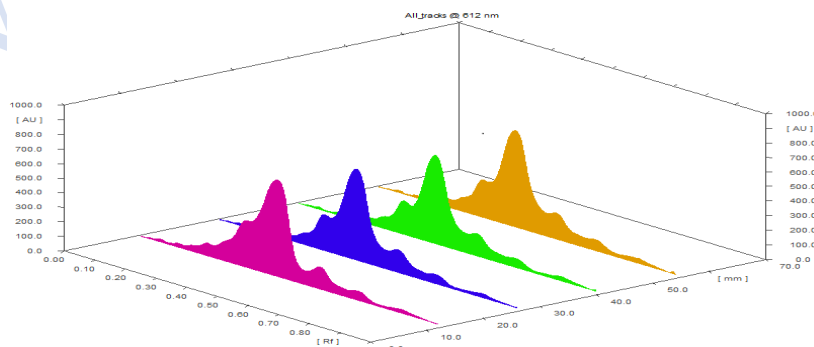
Solvent front – 90 mm

Total No. of Major spots – 4

Detection – After spraying with anisaldehyde H₂SO₄



Major Spots	Colour	Approx. Rf.
1	Light Gray	0.25
2	Light Gray	0.37
3	Bluish Gray	0.48
4	Light Brown	0.62



3D Peak Display of Pyroflex Liniment 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.

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