

MINCOF SYRUP

Monograph No. – 070011 ver 3.0

Issue No: 03

Amendment No : 00

Date of Issue: 28/10/2016

Amendment Date : --

Text Reference : Ayurvedic Proprietary Medicine

Shelf Life: 3 years

Description

Dark brown coloured syrup, viscous liquid, characteristic odour, taste sweet & mentholated.



Specific gravity

1.20 – 1.30

pH

5.5 – 6.5

Brix

45 – 55 %

Thin Layer Chromatography Solvent system

Toluene : Ethyl acetate : Methanol
(6 : 3 : 1)

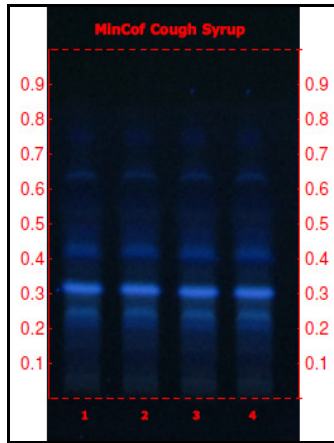
Details

Solvent of Extraction – Ethyl acetate

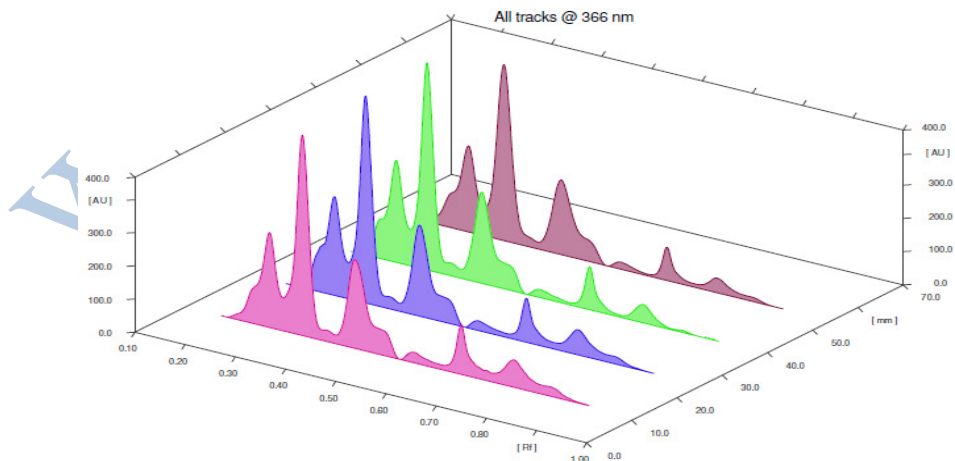
Solvent front – 90 mm

Total No. of Major spots – 6

Detection – Under UV at 366 nm



Major Spots	Colour	Approx. Rf.
1	Blue	0.22
2	Sky Blue	0.24
3	Fluorescent Blue	0.31
4	Blue	0.42
5	Light Blue	0.65
6	Blue	0.75



3D Peak Display of MinCof Cough Syrup at 366 nm

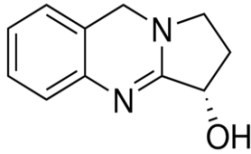
Confidential - photocopy prohibited

24

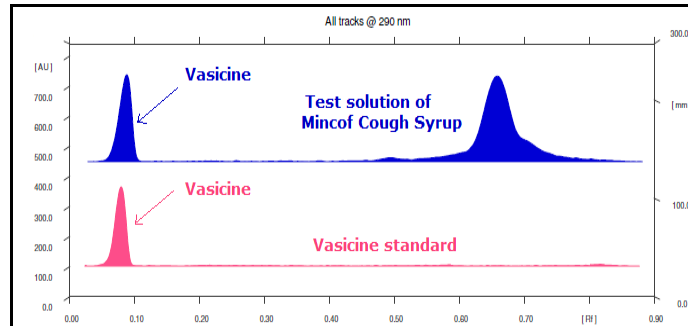
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile

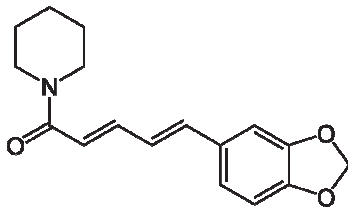
i) Vasicine



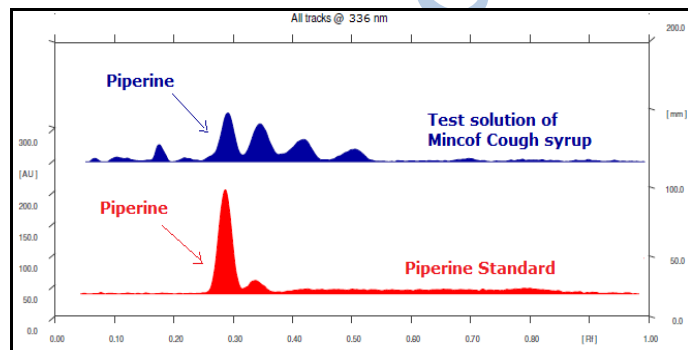
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 290 nm corresponding with Vasicine standard.



ii) Piperine



When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 336 nm corresponding with Piperine 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/g
P. aeruginosa ⁺	Absent/g
Salmonella sp. ⁺	Absent/g
Staphylococcus sp. ⁺	Absent/g
Total Microbial plate count (TPC)⁺	NMT 10 ⁵ c.f.u./g
Total Yeast & Mould count⁺	NMT 10 ³ c.f.u./g
Pesticide Residue ⁺ (OC+OP)	Complies as per API
Aflatoxins B1,B2,G1,G2 ⁺	Complies as per API