MINCOF SYRUP

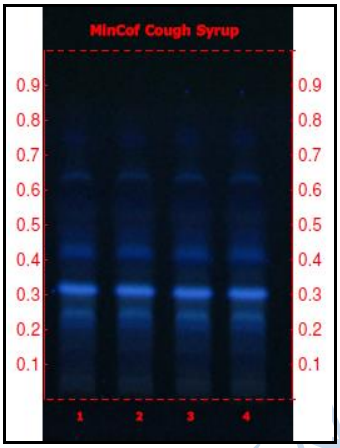
Monograph No. – 070011 *ver 3.0*

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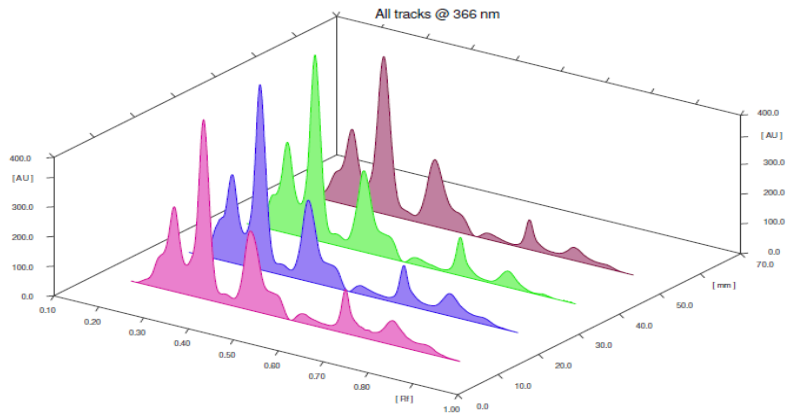
Amendment No : 00
Amendment Date : --
Shelf Life: 3 years

Description	Dark brown coloured syrup, viscous liquid, characteristic odour, taste sweet & mentholated.
Specific gravity at 25^0	1.20 – 1.30 g/ml
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 Visualization – 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

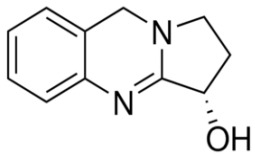
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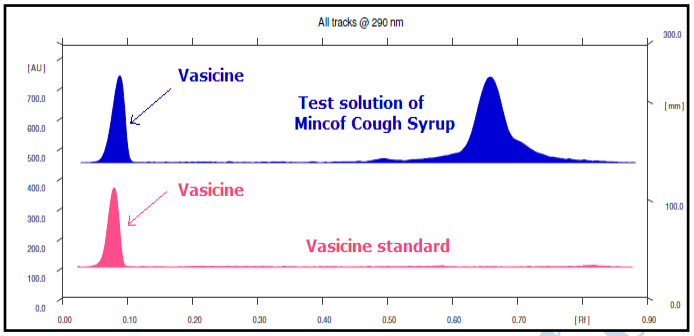
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile[+]

i) Vasicine

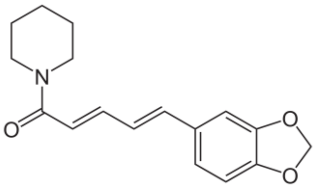
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 290 nm corresponding with Vasicine standard.

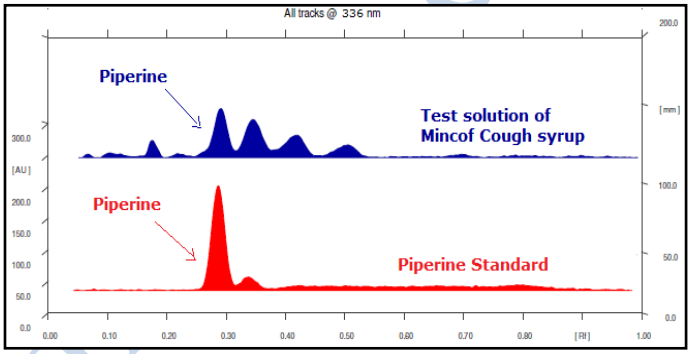




ii) Piperine

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)	Not more than 10 ppm
Mercury (Hg)	Not more than 1 ppm
Arsenic (As)	Not more than 3 ppm
Cadmium (Cd)	Not more than 0.3 ppm
E. coli	Absent/ml
P. aeruginosa	Absent/ml
Salmonella sp.	Absent/ml
Staphylococcus sp.	Absent/ml
Total Microbial plate count (TPC)	Not more than 10^5 c.f.u./ml
Total Yeast & Mould count (TYMC)	Not more than 10^3 c.f.u./ml
Pesticide Residue [+] (OC+OP)	Complies as per API
Aflatoxins B1,B2,G1,G2 [+]	Complies as per API

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