

## VIMLIV FORTIFIED SYRUP

Monograph No. – 070249 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

Brown coloured, syrupy liquid. Odour - Pleasant, Characteristic that of pineapple flavour, Taste - Sweet and slightly bitter mentholated.

### pH

5.0 - 6.0

### Specific Gravity

1.2 - 1.3

### Brix

50 - 60 %

### Thin Layer Chromatography

#### Mobile Phase

Toluene : Ethyl acetate : Formic acid  
( 4 : 6 : 2.5 )

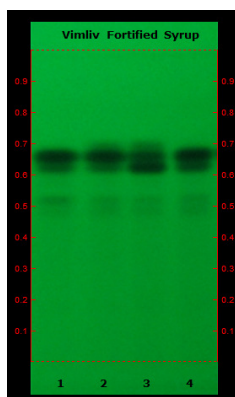
### Details

Solvent of Extraction – Distilled water + HCl + Ethyl acetate

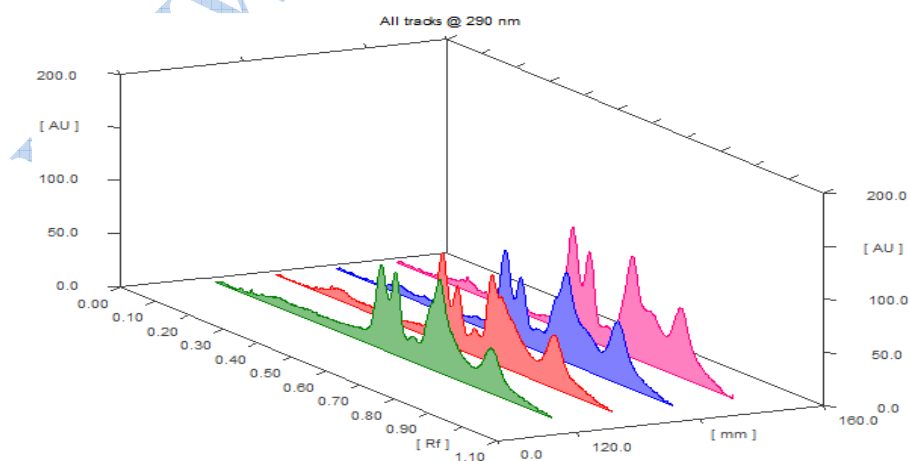
Solvent front – 90 mm

Total No. of Major spots – 4

Detection – Under UV at 254 nm



Major Spots	Colour	Approx. Rf.
1	Light Gray	0.49
2	Light Gray	0.53
3	Black	0.63
4	Black	0.67



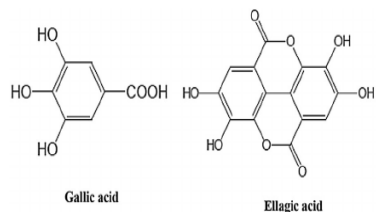
3D Peak Display of Vimliv Fortified Syrup at 290 nm

**Confidential – photocopy prohibited**

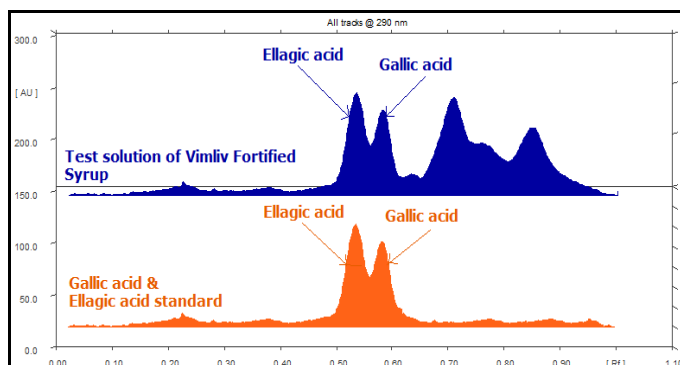
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

## HPTLC Profile

### i) Total Polyphenols (as Gallic acid & Ellagic acid)



When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 290 nm for Gallic acid & 278 nm for Ellagic acid corresponding with Gallic acid & Ellagic acid 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