

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 : 03

Amendment Date : 05/03/2024

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 g/ml

Brix

50 - 60 %

Refractive Index

1.400 - 1.4500

Thin Layer Chromatography

Mobile Phase

Chloroform : Ethyl acetate : Formic acid
(6.5 : 3.5 : 1.0)

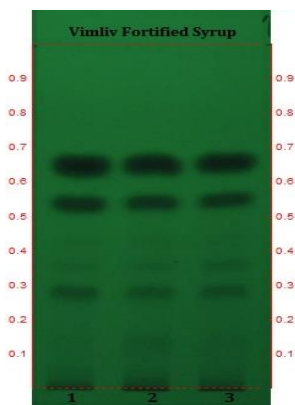
Details

Solvent of Extraction - D/W + HCL > Ethyl acetate

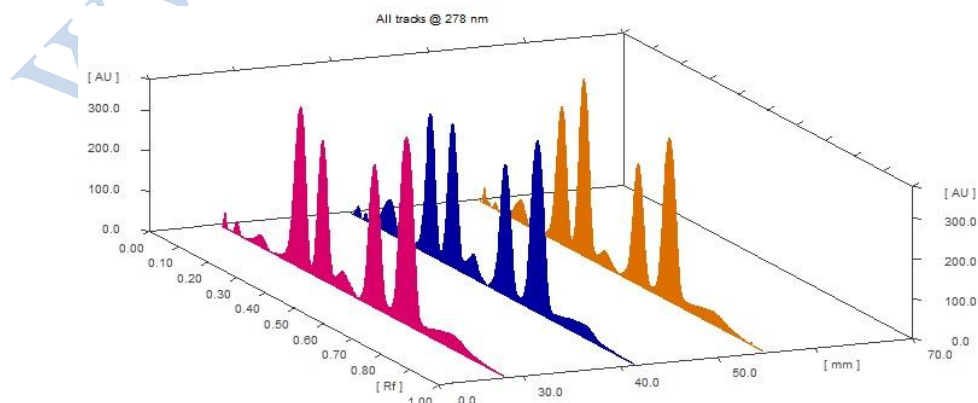
Solvent front - 90 mm

Total No. of Major spots - 5

Detection - Under UV at 254 nm



Major Spots	Colour	Approx. Rf.
1	Light Gray	0.14 (Ellagic acid)
2	Gray	0.28 (Gallic acid)
3	Light Gray	0.36
4	Black	0.55
5	Black	0.66



3D Peak Display of Vimliv Fortified Syrup at 278 nm

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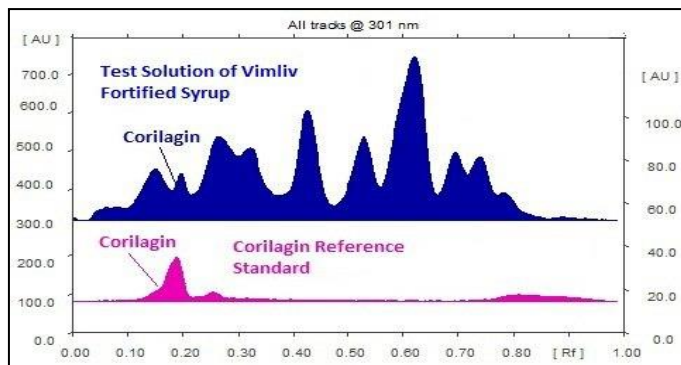
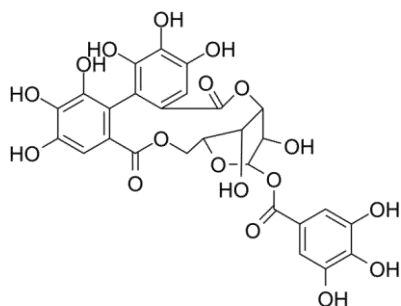
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile[†]

i) Corilagin

Not less than 0.0008% v/v

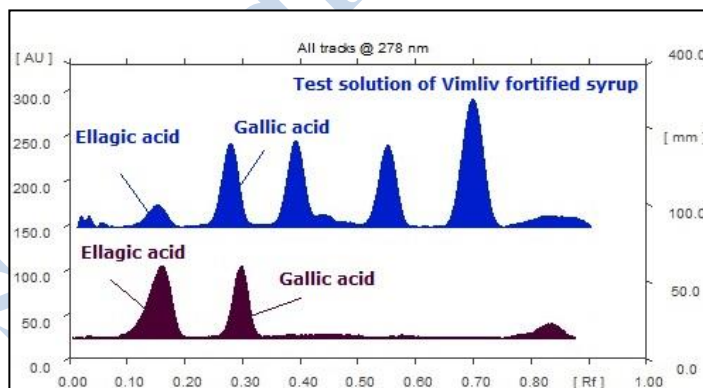
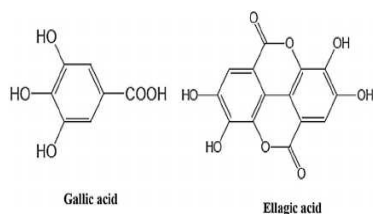
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 301 nm for Corilagin corresponding with Corilagin standard.



ii) Total Polyphenols (as Gallic acid & Ellagic acid)

Not less than 0.005% v/v

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

Lead (Pb) NMT 10 ppm

Mercury (Hg) NMT 1 ppm

Arsenic (As) NMT 3 ppm

Cadmium (Cd) NMT 0.3 ppm

E. coli Absent/ml

P. aeruginosa Absent/ml

Salmonella sp. Absent/ml

Staphylococcus sp. Absent/ml

Total Microbial plate count (TPC) NMT 10⁵ c.f.u./ml

Total Yeast & Mould count (TYMC) NMT 10³ 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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