

ARAVINDASAV

Monograph No. – 100012 ver 3.0

Issue No: 03

Amendment No : 02

Date of Issue: 19/04/2017

Amendment Date : 08/07/2024

Text Reference : Ayurvedic Formulary of India (AFI) Part I - 1:4

Shelf Life: 10 years

Description

Light brown colour liquid, with fermented odour and acid taste.



pH

3.0 – 5.0

Specific Gravity at 25°

1.0 - 1.15 g/ml

Brix

8 - 20 %

Alcohol content

5 – 11 % v/v

Thin Layer Chromatography Solvent system

Toluene : Ethyl acetate : Formic acid : Methanol
(3.0 : 3.0 : 0.8 : 0.2)

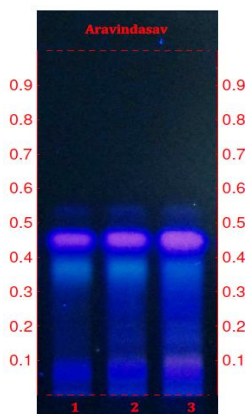
Details

Solvent of Extraction – n-Hexane > Chloroform > Ethyl acetate > Methanol

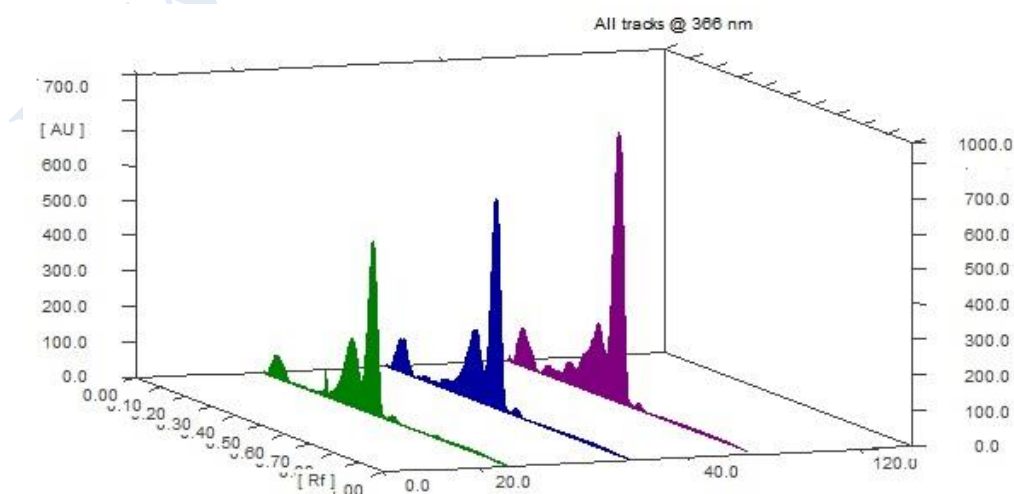
Solvent front – 90 mm

Total No. of Major spots – 4

Detection – Under UV at 366 nm After spray with Natural Product (NP) Reagent



Major Spots	Colour	Approx. Rf.
1	Blue	0.07
2	Fluorescent blue	0.37
3	Pink	0.45
4	Blue	0.53



3D Peak Display of Aravindasav at 366 nm

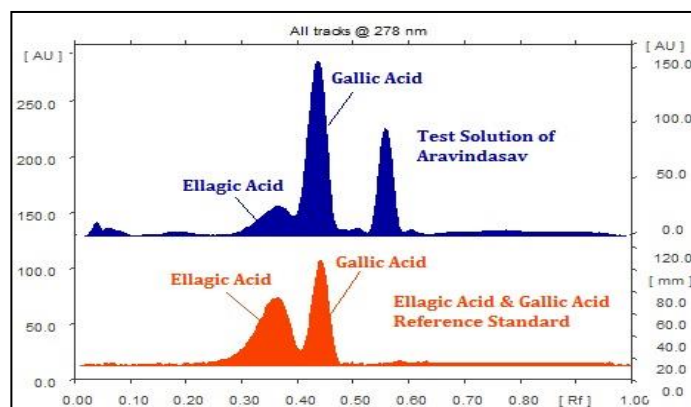
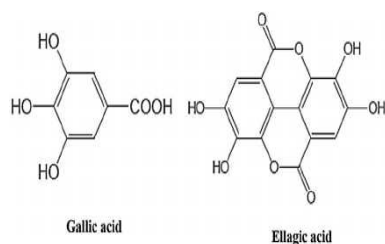
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Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile[†]

i) Total Polyphenols (as Gallic acid and 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

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