

ROHITAKARISHTA

Monograph No. – 100030 ver 3.0

Issue No: 03

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41/235-238

Amendment No : 00

Amendment Date : --

Shelf Life: 10 years

Description

Dark brown colour liquid with characteristic fermented odour, taste sweet and astringent.



pH

3.5 – 5.5

Specific Gravity at 25°

1.00 - 1.20 g/ml

Brix

20 – 35 %

Alcohol content

7 – 11 % v/v

Thin Layer Chromatography

Solvent system

Chloroform : Ethyl acetate : Formic acid
(5.0 : 4.0 : 1.6)

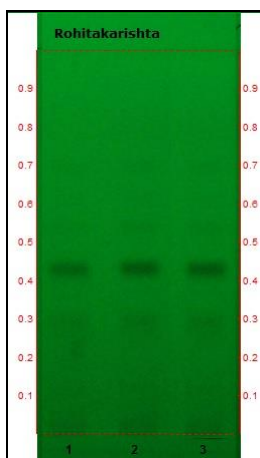
Details

Solvent of Extraction – Distilled water + n-Hexane + Chloroform + Ethyl acetate

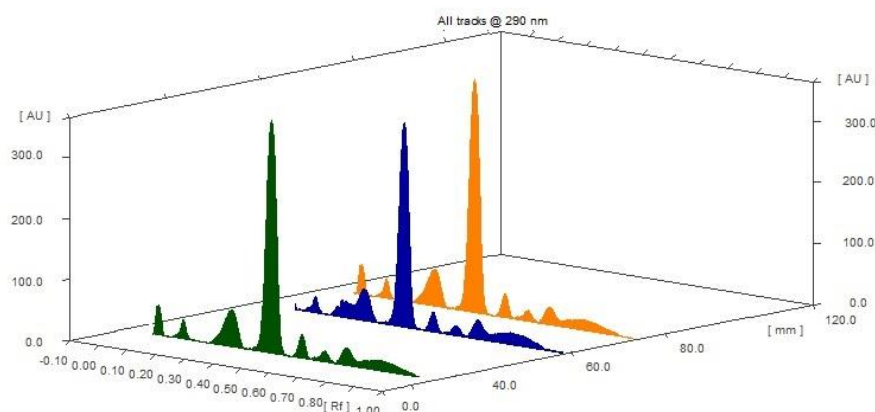
Distance travelled by solvent front – 90 mm

Total No. of Major spots – 2

Visualization – Under UV at 254nm



Major Spots	Colour	Approx. Rf.
1	Light gray	0.30
2	Gray	0.43



3D Peak Display of Rohitakarishtha at 290 nm

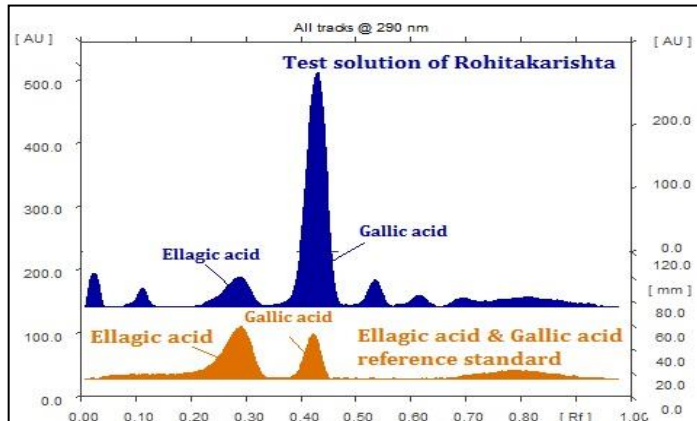
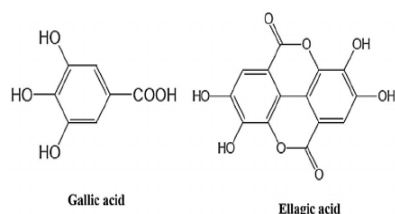
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Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile[†]

i) Total Polyphenols (as Gallic acid & 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 and 278 nm for Ellagic acid corresponding with Gallic acid and Ellagic acid reference standards.



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
<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)	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