

PACHOJJAY

Monograph No. – 320003 ver 3.0

Issue No: 03

Date of Issue: 05/04/2024

Text Reference : Ayurvedic Proprietary Medicine

Amendment No : 00

Amendment Date : --

Shelf Life: 3 years

Description

Brown coloured liquid, characteristic fermented odour, taste bitter and astringent.

pH

3.5 – 5.0

Specific Gravity at 25°

1.00 - 1.15 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)

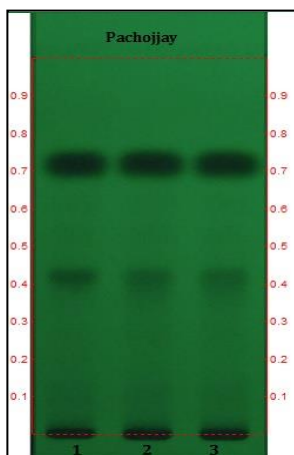
Details

Solvent of Extraction – Methanol

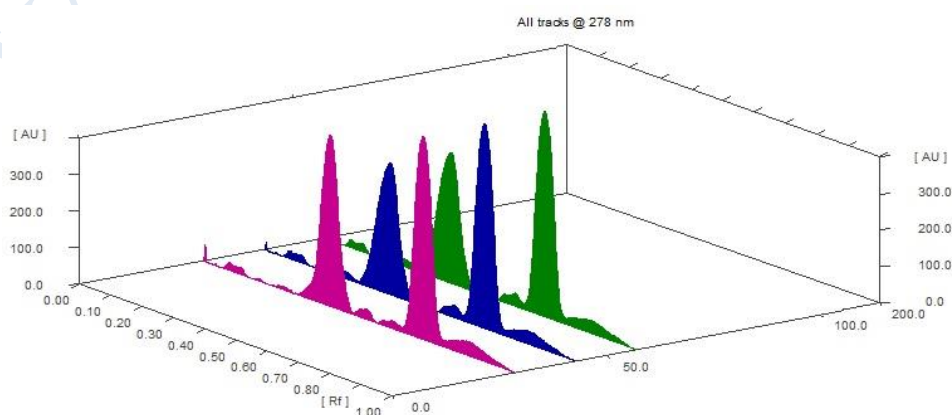
Distance travelled by solvent front – 90mm

Total No. of Major spots – 3

Visualization – Under UV at 254nm



Major Spots	Colour	Approx. Rf.
1	Light gray	0.09
2	Gray	0.27
3	Black	0.72



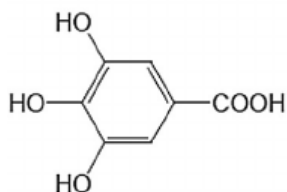
3D Peak Display of Pachojjay at 278 nm

Confidential - photocopy prohibited

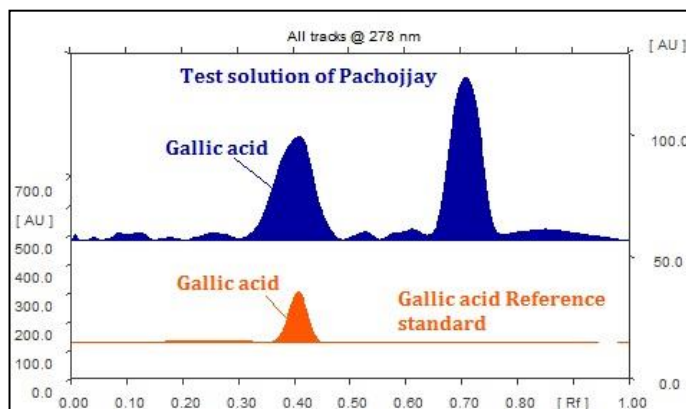
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile[†]

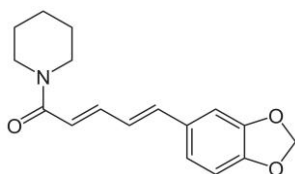
i) Gallic acid



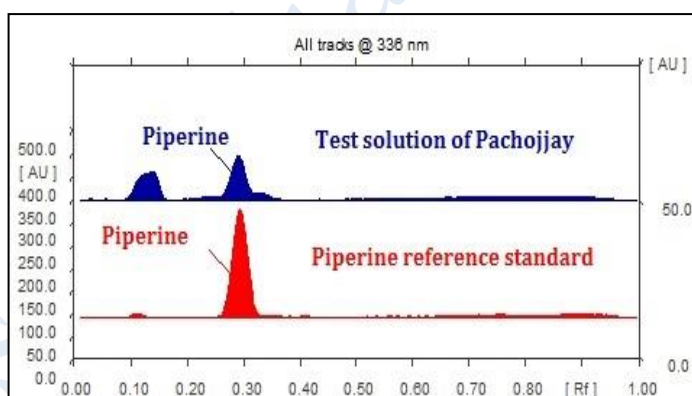
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 278 nm for Gallic acid corresponding with Gallic acid reference standard.



ii) Piperine



When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 336 nm for Piperine corresponding with Piperine reference 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 10⁵ c.f.u./ml

Total Yeast & Mould Count (TYMC)

Not more than 10³ c.f.u./ml

Pesticide Residue[†] (OC+OP)

Complies as per API

Aflatoxins B1,B2,G1,G2[†]

Complies as per API