

YACRUJJAY

Monograph No. – 0703684 ver 3.0

Issue No: 03

Date of Issue: 26/04/2023

Text Reference : Ayurvedic Proprietary Medicine

Amendment No : 01

Amendment Date : 26/12/2023

Shelf Life: 3 years

Description

Yellow to orange coloured round biconvex film coated tablets having SDL mark on one side.

Loss on Drying at 105°

Not more than 8 % w/w

Friability

Not more than 1 % w/w

Disintegration Time

Not more than 60 min.

Hardness

Not less than 2.5 kg/cm²

Thickness

5.5 ± 0.5 mm

Diameter

12.0 ± 0.5 mm

Average Weight

660 mg ± 5%

Uniformity of weight of 20 tablets

Not more than 2 tablets deviate by more than 5% of the average weight and none by more than 10% of the average weight.

Ash

Not more than 25 % w/w

Acid insoluble ash

Not more than 7 % w/w

Water soluble extractive

Not less than 40 % w/w

Alcohol soluble extractive

Not less than 10 % w/w

pH (1% Aq. solution)

4.0 – 6.5

Thin Layer Chromatography Mobile Phase

Toluene : Ethyl acetate : Formic acid
(7 : 3 : 0.3)

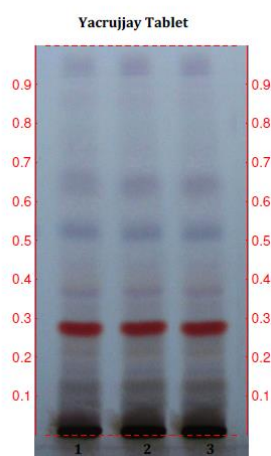
Details

Solvent of Extraction – Methanol

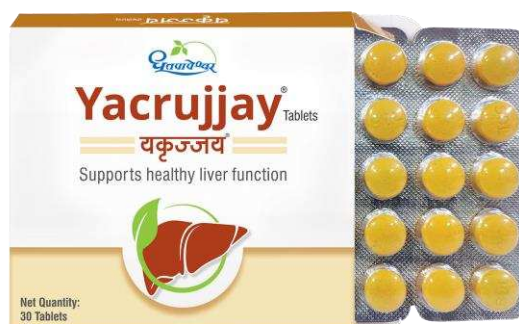
Distance travelled by solvent front – 90mm

Total No. of Major spots – 6

Detection – After spray with Anisaldehyde Sulfuric acid

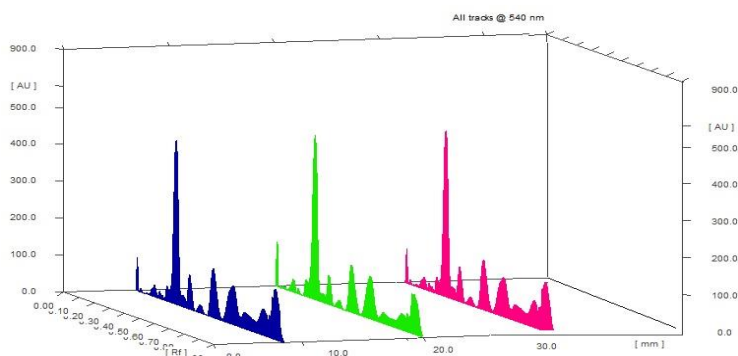


Major Spots	Colour	Approx. Rf.
1	Gray	0.12
2	Red	0.27
3	Pink	0.37
4	Violet	0.52
5	Pink	0.64
6	Pink	0.95



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

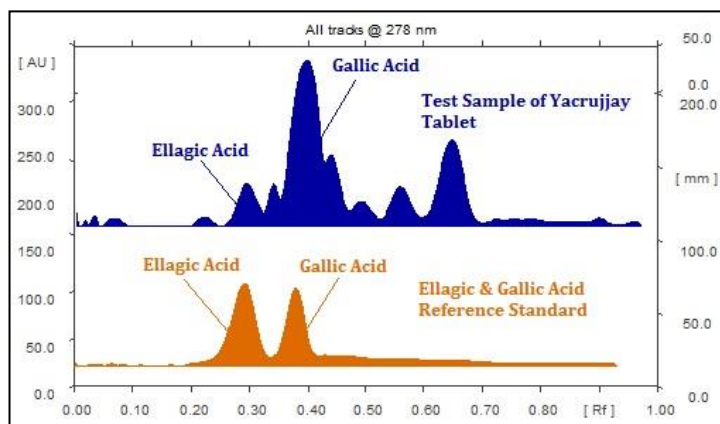
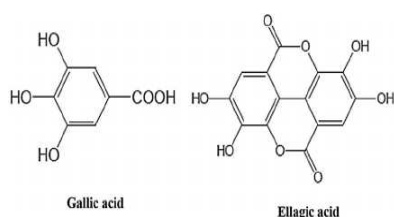


3D Peak Display of Yacrujjay at 540 nm

HPTLC Profile

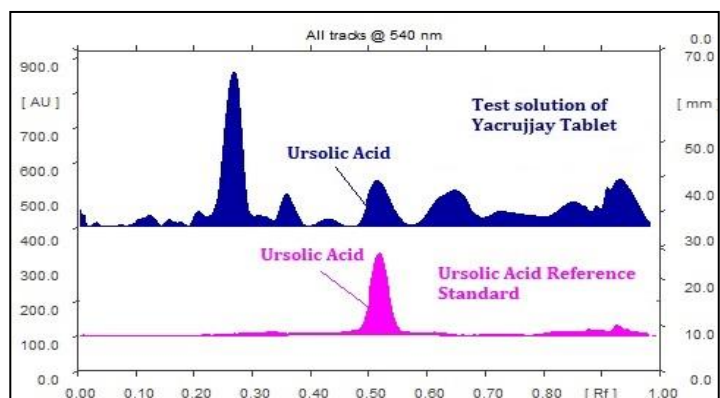
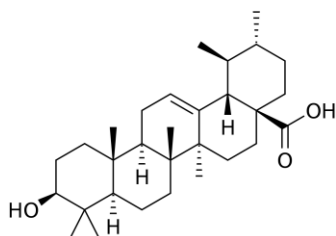
i) Total Polyphenols (as Gallic acid & Ellagic acid)

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.



ii) Ursolic acid

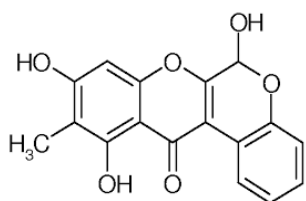
When examined in the range of 400 nm to 700 nm, the test solution shows absorption maxima at about 540 nm corresponding with Ursolic acid standard.



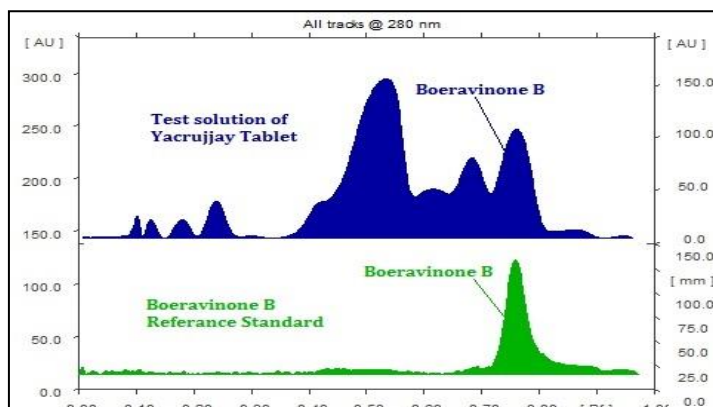
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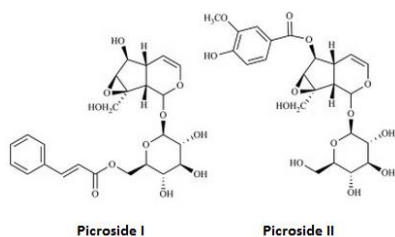
iii) Boeravinone



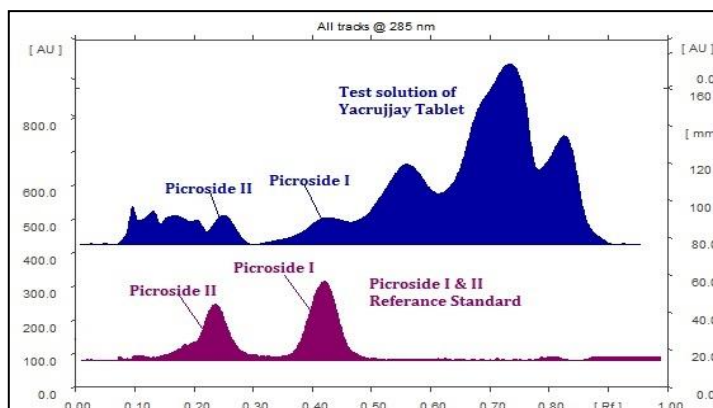
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 280 nm for Boeravinone B corresponding with Boeravinone B standard.



iv) Picroside I & II



When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 285 nm for Picroside I & 266 nm for Picroside II corresponding with Picroside I & Picroside II 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/g
P. aeruginosa	Absent/g
Salmonella sp.	Absent/g
Staphylococcus sp.	Absent/g
Total Microbial plate count (TPC)	NMT 10 ⁵ c.f.u./g
Total Yeast & Mould Count (TYMC)	NMT 10 ³ c.f.u./g
Pesticide Residue + (OC+OP)	Complies as per API
Aflatoxins B1,B2,G1,G2 +	Complies as per API

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