

ANU TAILA

Monograph No. – 150044 ver 3.0

Issue No: 03

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Text Reference : Ashtang Hriday Sootrasthan
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Amendment No : 02

Amendment Date : 16/03/2024

Shelf Life: 3 years

Description

Golden yellow to reddish brown coloured medicated oil with characteristic odour.

Weight per ml

0.9 to 1.1 g/ml

Refractive Index

1.4550 – 1.4750

Saponification value

180 – 220

Iodine value

88 – 106

Acid value

NMT 6

Peroxide value

NMT 10

Thin Layer Chromatography Solvent system

Butanol : Ethyl Acetate : Glacial Acetic acid : Water
(3 : 5 : 1 : 1)

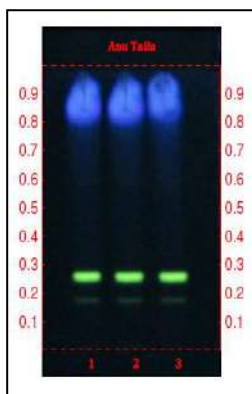
Details

Solvent of Extraction – Methanol

Solvent front – 90 mm

Total No. of Major spots – 3

Detection – At 366 nm

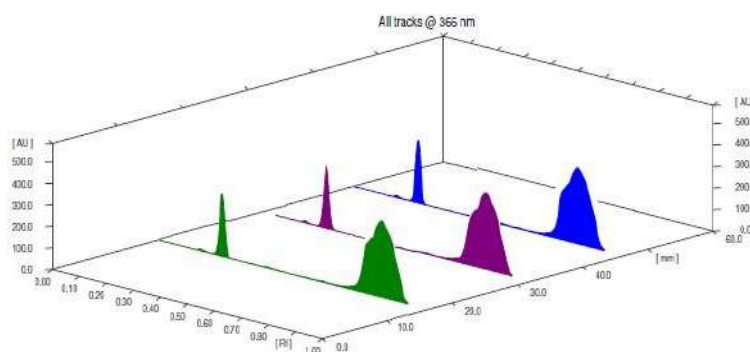


Major Spots

Major Spots	Colour	Approx. Rf.
1	Light Green	0.18
2	Fluorescent green	0.25
3	Blue	0.88

Colour

Approx. Rf.



3D Peak Display of Anu Taila at 366 nm

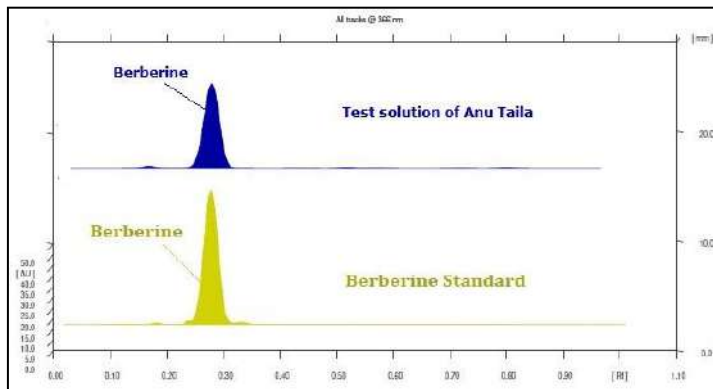
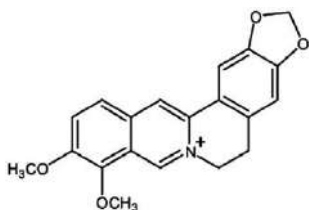
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Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile[†]

i) Berberine

When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 366 nm corresponding with Berberine 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	NMT 10 ³ c.f.u./ml
Pesticide Residue[†] (OC+OP)	Complies as per API
Aflatoxins B1,B2,G1,G2[†]	Complies as per API