

KAKLARAKSHAK YOG

Monograph No. – 0703584 ver 3.0

Issue No: 03

Date of Issue: 01/08/2020

Text Reference : Ayurvedic Proprietary Medicine

Amendment No : 00

Amendment Date : --

Shelf Life: 5 years

Description

Yellow coloured round shape film coated tablet having SDL mark on one side.

Loss on Drying

Not more than 6 % w/w

Hardness

Not less than 2.5 kg/cm²

Thickness

5.0 ± 0.5 mm

Diameter

12.0 ± 0.5 mm

Friability

Not more than 1 % w/w

Disintegration Time

Not more than 60 min.

Average Weight

690 mg ± 5 %

Thin Layer Chromatography Solvent system

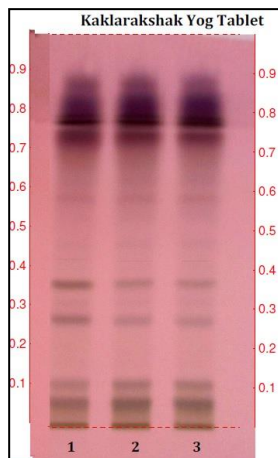
Toluene : Acetone : Water
(5 : 15 : 1)
Solvent of Extraction – Methanol

Details

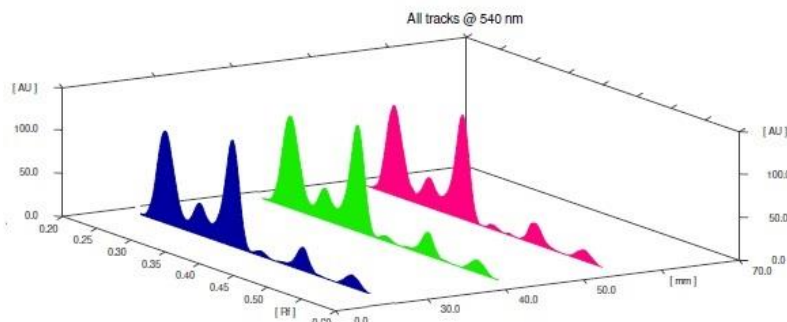
Solvent front – 90 mm

Total No. of Major spots – 9

Detection – After spray with Anisaldehyde sulfuric acid reagent



Major Spots	Colour	Approx. Rf.
1	Greenish gray	0.07
2	Violet	0.11
3	Violet	0.27
4	Greenish gray	0.36
5	Light violet	0.43
6	Pink	0.58
7	Dark Violet	0.74
8	Dark Violet	0.78
9	Dark Violet	0.87



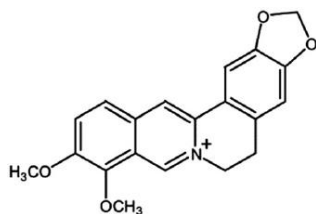
3D Peak Display of Kaklarakshak Yog at 540 nm

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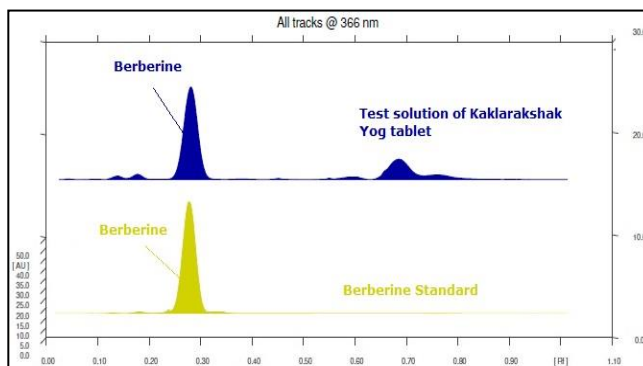
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile[†]

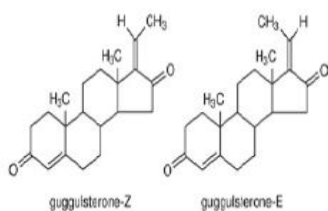
i) Berberine



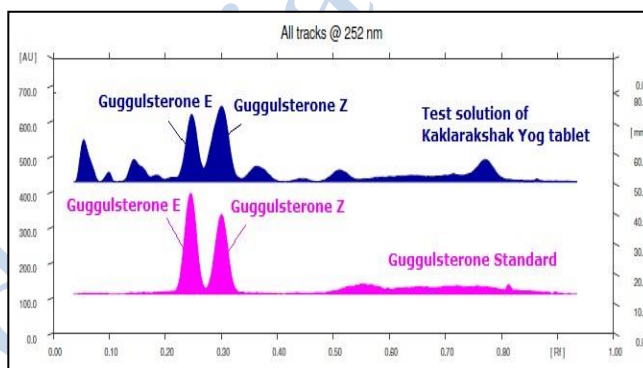
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 366 nm corresponding with Curcumin standard.



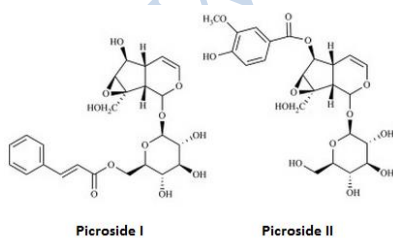
ii) Guggulsterone (E & Z)



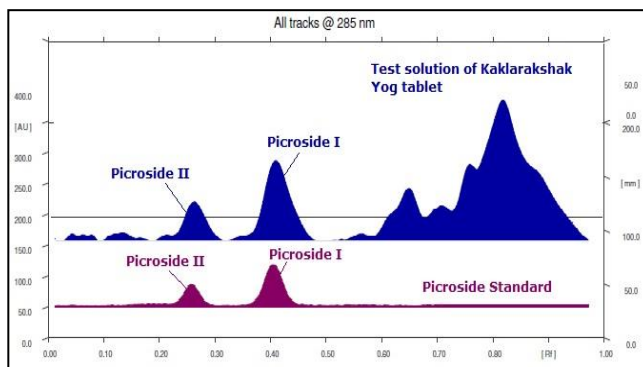
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 252 nm corresponding with Guggulsterone (E & Z) standard.



iii) Picoside II

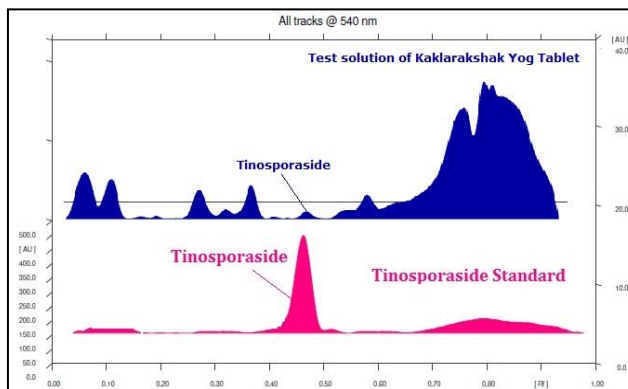
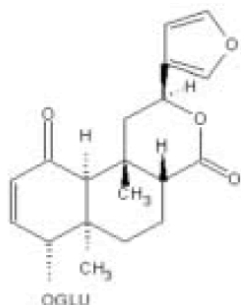


When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 285 nm for Picoside I & 285 nm for Picoside II corresponding with Picoside I & Picoside II standard.



iv) Tinosporaside

When examined in the range of 400 nm to 700 nm, the test solution shows absorption maxima at about 540 nm corresponding with Tinosporaside 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[†]	NMT 10 ³ c.f.u./g
Pesticide Residue [†] (OC+OP)	Complies as per API
Aflatoxins B1,B2,G1,G2 [†]	Complies as per API