

SHILAPRAVANG (WITH MOUKTIK)

Monograph No. – 0700084 ver 3.0

Issue No: 03

Date of Issue: 28/10/2016

Text Reference : Ayurvedic Proprietary Medicine

Amendment No : 02

Amendment Date : 05/03/2025

Shelf Life: 5 years

Description

Light Brown to brown colour round convex coated tablets having SDL mark on one side.

Loss on Drying at 105°

Not more than 10 % w/w

Friability

Not more than 1 % w/w

Disintegration Time

Not more than 60 min.

Hardness

Not less than 2 kg/cm²

Thickness

5.0 ± 0.5 mm

Diameter

8.0 ± 0.5 mm

Average Weight

275 mg ± 5 %

Uniformity of weight

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 45 % w/w

Acid insoluble ash

Not more than 25 % w/w

Water soluble extractive

Not less than 15 % w/w

Alcohol soluble extractive

Not less than 10 % w/w

pH (1% Aq. solution)

6.5 – 8.5

Elemental Assay

Iron (Fe)

6 – 10 mg/tablet

Calcium (Ca)

10 – 20 mg/tablet

Thin Layer Chromatography

Solvent system

Toluene : Ethyl acetate : Formic acid
(7 : 2 : 1)

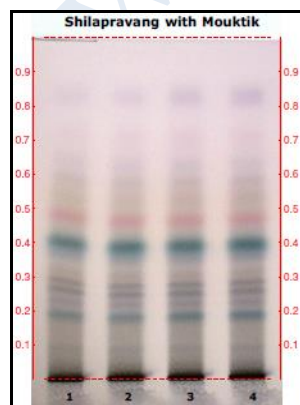
Solvent of Extraction – 5% Methanolic HCL + Chloroform

Solvent front – 90 mm

Total No. of Major spots – 11

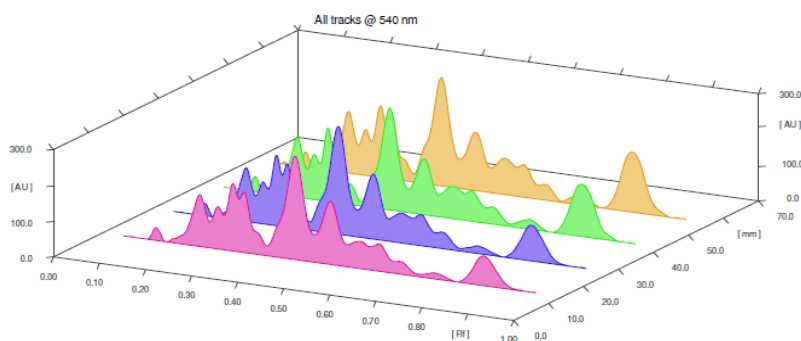
Visualization – After spraying Anisaldehyde H₂SO₄

Details



Major Spots	Colour	Approx. Rf.
1	Light Gray	0.10
2	Greenish Blue	0.18
3	Light Gray	0.22
4	Gray	0.24
5	Gray	0.28
6	Greenish Blue	0.39
7	Pink	0.47
8	Light Gray	0.59
9	Light Gray	0.64
10	Light Pink	0.71
11	Purple	0.83



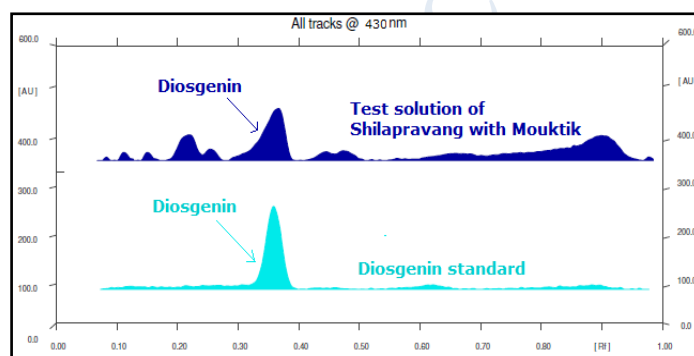
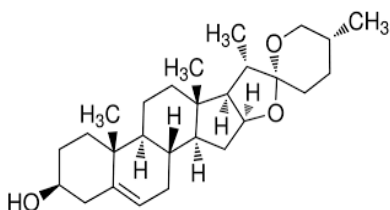


3D Peak Display of Shilapravang With Mouktik at 540 nm

HPTLC Profile +

i) Diosgenin

When examined in the range of 400 nm to 700 nm, the test solution shows absorption maxima at about 430 nm corresponding with Diosgenin standard.



E. coli

Absent/g

P. aeruginosa

Absent/g

Salmonella sp.

Absent/g

Staphylococcus sp.

Absent/g

Total Microbial plate count (TPC)

Not more than 10^5 c.f.u./g

Total Yeast & Mould count (TYMC)

Not more than 10^3 c.f.u./g

Pesticide Residue + (OC+OP)

Complies as per API

Aflatoxins B1,B2,G1,G2 +

Complies as per API