

SHIGRU (MORINGA) TABLETS

Monograph No. – 2700244 ver 3.0

Issue No: 03

Amendment No : 00

Date of Issue: 21/02/2026

Amendment Date : --

Text Reference: API Part I, Volume II, Monograph No. 69

Shelf Life: 3 years

Description

Light brown to greenish brown color caplet shape coated tablets having SDL mark on one side.

Loss on Drying at 105°

Not more than 7 % w/w

Friability

Not more than 1 % w/w

Disintegration Time

Not more than 60 min.

Hardness

Not less than 2 kg/cm²

Thickness

5.5 ± 0.5 mm

Length

7.5 ± 0.5 mm

Average Weight

670 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 16 % w/w

Acid insoluble ash

Not more than 5 % w/w

Water soluble extractive

Not less than 26 % w/w

Alcohol soluble extractive

Not less than 6 % w/w

pH (1 % Aq. Solution)

4.5 – 6.5

Thin Layer Chromatography Solvent system

Toluene : Ethyl acetate : Formic acid : Methanol
(4 : 3 : 0.5 : 2)

Details

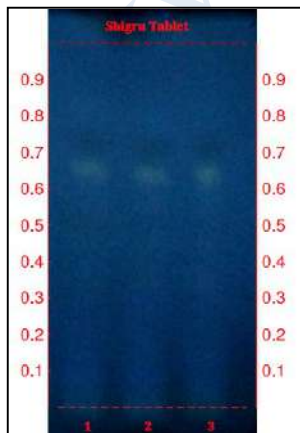
Solvent of Extraction – Methanol

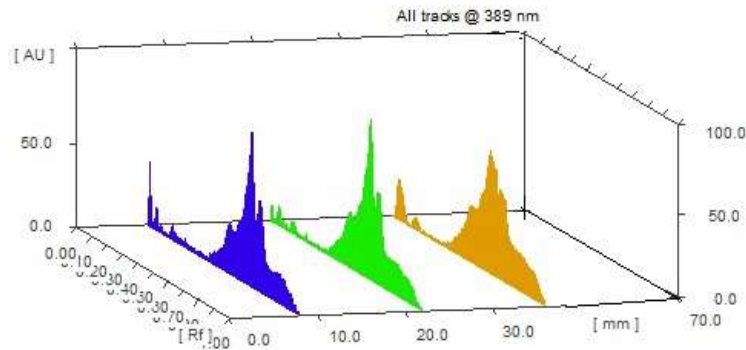
Solvent front – 90 mm

Total No. of Major spots – 2

Visualization – Under UV at 366 nm

Major Spots	Colour	Approx. Rf.
1	Light yellow	0.65
2	Black	0.72



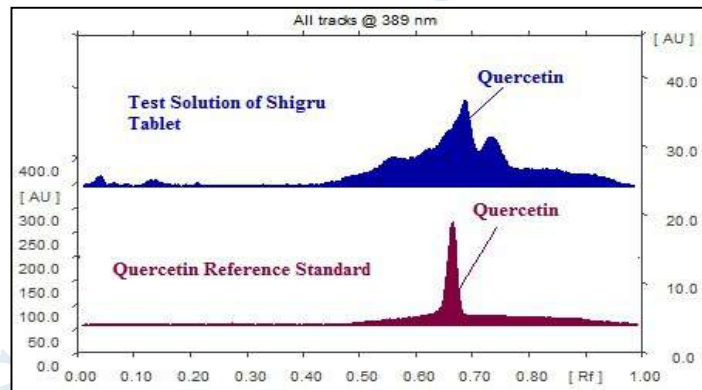
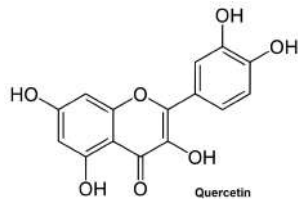


3D Peak Display of Shigru (Moringa) Tablets at 389 nm

HPTLC Profile[†]

i) Quercetin

When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 389 nm corresponding with the Quercetin 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
<i>E. coli</i>	Absent/g
<i>P. aeruginosa</i>	Absent/g
<i>Salmonella sp.</i>	Absent/g
<i>Staphylococcus sp.</i>	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

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