

SWAYAMBHUYA GUGGUL

Monograph No. – 0400284 ver 3.0

Issue No: 03

Amendment No : 03

Date of Issue: 28/10/2016

Amendment Date : 02/05/2022

Text Ref : Bhavaprakash Madhyam Khanda (Kushtharoga) 69-72

Shelf Life: 5 years

Description

Brown to Blackish brown colour, round biconvex coated tablet having SDL mark on one side.

Loss on Drying at 105°

Not more than 6 % w/w

Friability

Not more than 1 % w/w

Disintegration Time

Not more than 60 min.

Hardness

Not less than 1.5 kg/cm²

Thickness

5.0 ± 0.5 mm

Diameter

8.0 ± 0.5 mm

Average Weight

305 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 30 % w/w

Acid insoluble ash

Not more than 15 % w/w

Water soluble extractive

Not less than 30 % w/w

Alcohol soluble extractive

Not less than 15 % w/w

pH (1% Aq. Solution)

5.0 - 7.0

Elemental Assay

Copper (Cu)

Not less than 1.7 mg/tab

Iron (Fe)

13 – 18 mg/tab

Thin Layer Chromatography Solvent system

Toluene : Acetone
(9.0 : 1.0)

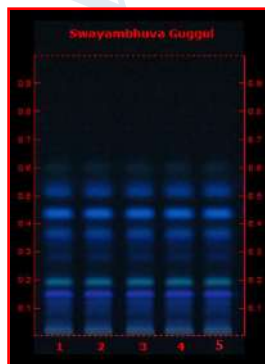
Details

Solvent of Extraction – Methanol

Solvent front – 90 mm

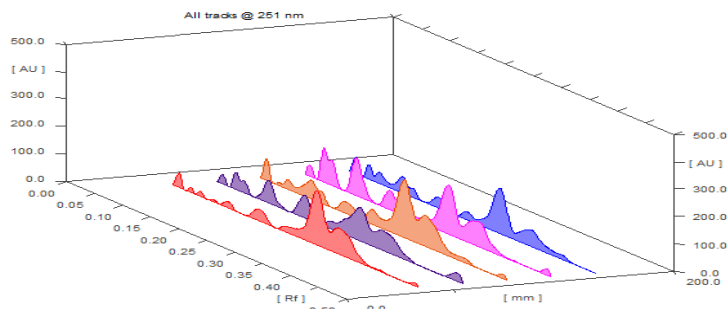
Total No. of Major spots – 7

Detection – Under UV at 366 nm



Major Spots	Colour	Approx. Rf.
1	Blue	0.14
2	Fluorescent Blue	0.19
3	Light Blue	0.28
4	Fluorescent Blue	0.37
5	Fluorescent Blue	0.43
6	Fluorescent Blue	0.51
7	Light Blue	0.60



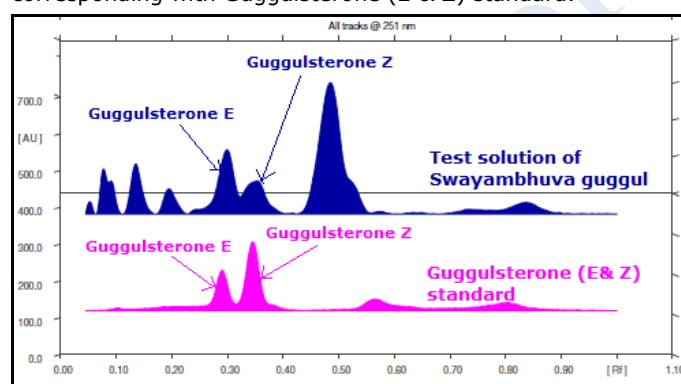
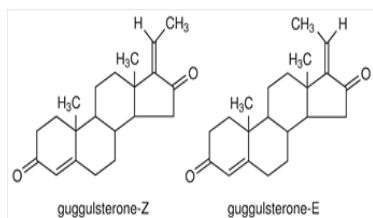


3D Peak Display of Swayambhuva Guggul at 251 nm

HPTLC Profile[†]

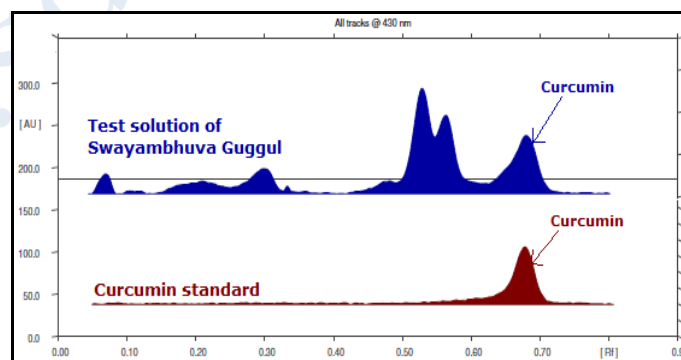
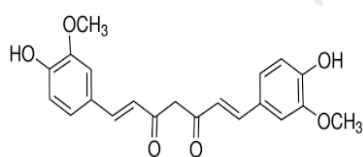
i) Guggulsterone (E & Z)

When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 251 nm corresponding with Guggulsterone (E & Z) standard.



ii) Curcumin

When examined in the range of 200 nm to 700 nm, the test solution shows absorption maxima at about 430 nm corresponding with Curcumin standard.



E. coli

Absent/g

P. aeruginosa

Absent/g

Salmonella sp.

Absent/g

Staphylococcus sp.

Absent/g

Total Microbial Plate Count (TPC)

NMT 10⁵ c.f.u./g

Total Yeast & Mould Count (TYMC)

NMT 10³ c.f.u./g

Pesticide Residue[†] (OC+OP)

Complies as per API

Aflatoxins B1,B2,G1,G2[†]

Complies as per API