ABHA GUGGUL

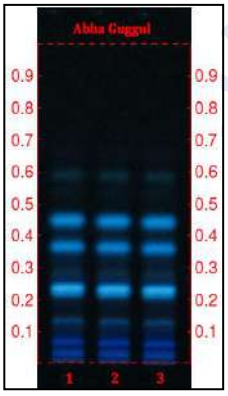
Monograph No. – 0400214 *ver 3.0*

Issue No: 03
Date of Issue: 01/03/2020
Text Reference : Bhaishajya Ratnavali 49/15

Amendment No : 02
Amendment Date : 02/05/2022
Shelf Life: 5 years

Description	Light brown to dark brown colour round biconvex coated tablet having SDL mark on one side.
Loss on Drying at 105^0	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/cm^2
Thickness	5.0 $\pm$ 0.5 mm
Diameter	8.0 $\pm$ 0.5 mm
Average Weight	300 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 10 % w/w
Water Soluble Extractive	Not less than 14 % w/w
Alcohol Soluble Extractive	Not less than 15 % w/w
pH (1% Aq. Solution)	6.0 – 7.0
Thin Layer Chromatography Solvent system	Toluene : Ethyl acetate (7 : 3)

Details



Solvent of Extraction – Methanol

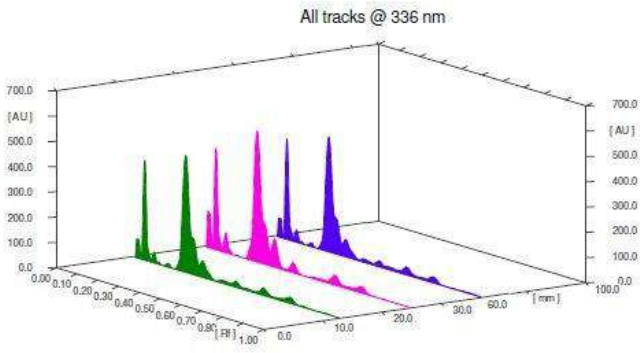
Solvent front – 90 mm

Total No. of Major spots – 7

Detection – Under UV at 366 nm

Major Spots	Color	Approx. Rf.
1	Blue	0.04
2	Blue	0.07
3	Light Blue	0.14
4	Fluorescent Blue	0.23
5	Fluorescent Blue	0.37
6	Fluorescent Blue	0.45
7	Light Blue	0.59

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

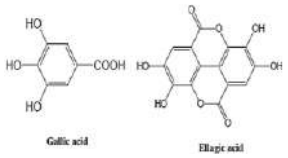


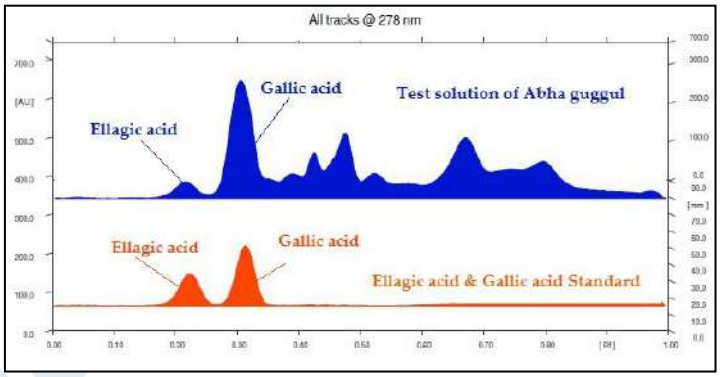
3D Peak Display of Abha Guggul Tablet at 336 nm

HPTLC Profile†

i) Total Polyphenols (as Ellagic & Gallic Acid)

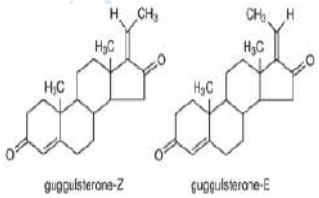
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 290 nm for Gallic acid & 278 nm for Ellagic acid corresponding with Gallic acid & Ellagic acid standard.

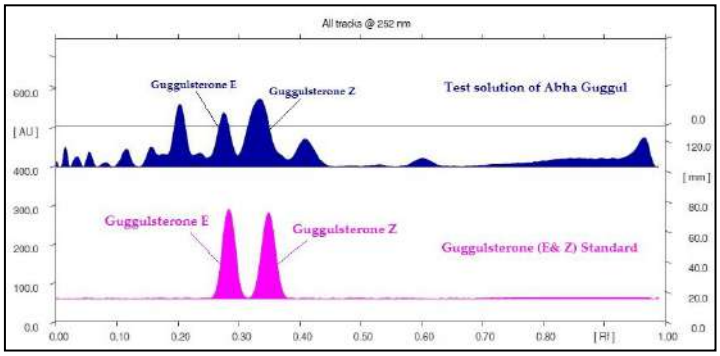




ii) Guggulsterone (E & Z)

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.





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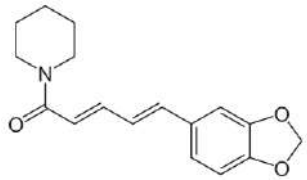
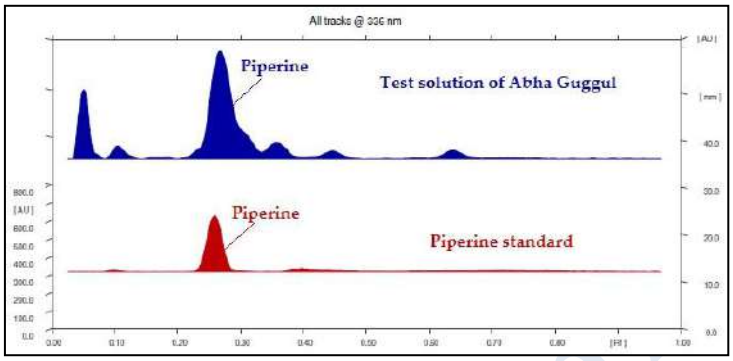
iii) Piperine

When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 336 nm corresponding with Piperine 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 (TYMC)	NMT 10^3 c.f.u./g
Pesticide Residue † (OC+OP)	Complies as per API
Aflatoxins B1,B2,G1,G2 †	Complies as per API

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