BRAHMI TABLETS

Monograph No. 2100614 *ver 3.0*

Issue No: 03

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Text Reference : API, Part I, Volume II, Monograph no. 11

Amendment No : 01

Amendment Date : 11/04/2022

Shelf Life: 3 years

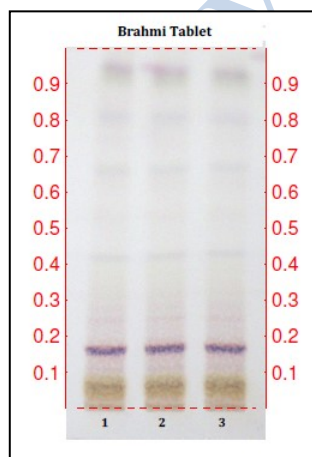|	
Description	Light gray to Gray colour caplet shape coated tablet having SDL mark on one side.
Loss on Drying at 105^0	Not more than 7 % w/w
Friability	Not more than 1 % w/w
Disintegration Time	Not more than 60 min.
Hardness	Not less than 2 kg/cm^2
Thickness	5.5 ± 0.5 mm
Length	18.0 ± 0.5 mm
Average Weight	670 mg ± 5 %
Uniformity of weight of 20 tablets	Not more than 2 tablets deviate by more than 5% of the Average Weight and none by more than 10% of the Average Weight.
pH	5.5 – 7.5
Ash	Not more than 22 % w/w
Acid insoluble ash	Not more than 12 % w/w
Water soluble extractive	Not less than 20 % w/w
Alcohol soluble extractive	Not less than 14 % w/w
Thin Layer Chromatography Solvent system	Ethyl acetate : Methanol : Toluene : Water (4 : 1 : 1 : 0.5)

Details
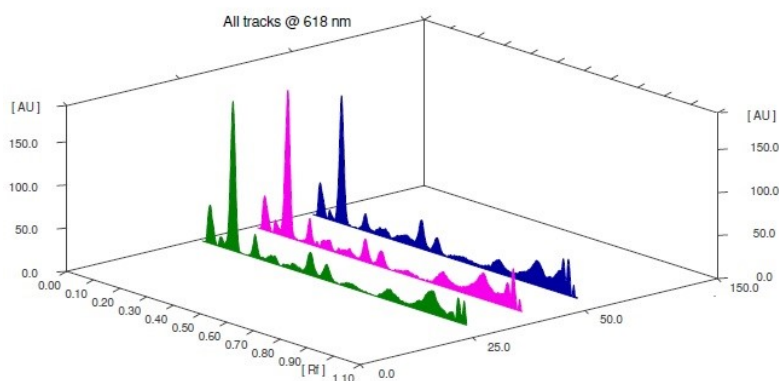
Solvent of Extraction – Methanol

Solvent front – 90 mm

Total No. of Major spots – 7

Detection – Detection after Anisaldehyade sulfuric acid reagent

Brahmi Tablet

Major Spots	Colour	Approx. Rf.
1	Brown	0.05
2	Purple	0.16
3	Light Brown	0.24
4	Light Purple	0.43
5	Light Purple	0.67
6	Light Purple	0.80
7	Purple	0.90

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Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.
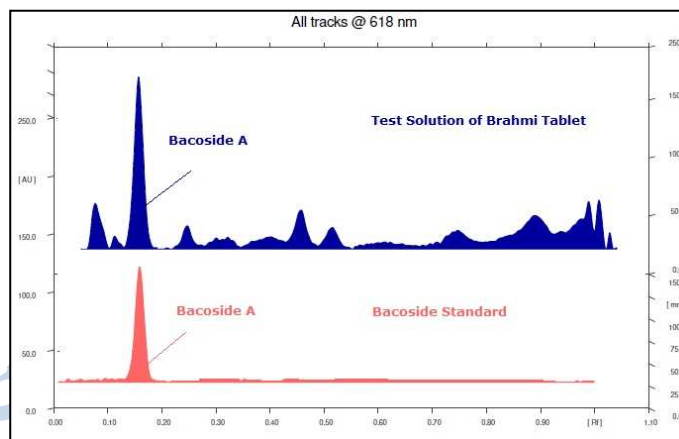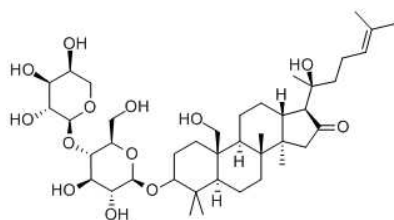
3D Peak Display of Brahmi Tablet at 618 nm

HPTLC Profile[+]

   i)   Bacoside   When examined in the range of 400 nm to 700 nm, the test solution shows absorption maxima at about 618 nm corresponding with Bacoside 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

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