PUSHYANUGA CHOORNA

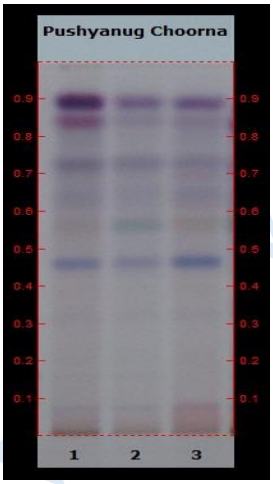
Monograph No. – 030022 *ver 3.0*

Issue No: 03
Date of Issue: 28/03/2017
Text Reference : Bhaishajya Ratnavali (Pradararoga) 66/25-31

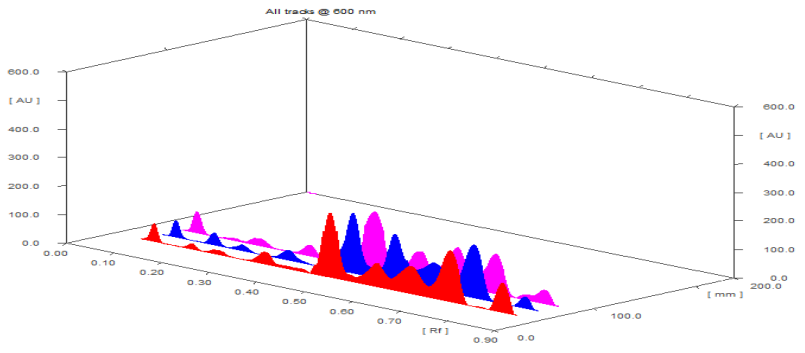
Amendment No : 02
Amendment Date : 16/12/2024
Shelf Life: 2 years



Description	Moderately fine to fine powder, Reddish Brown colour, odour aromatic, taste astringent.
Loss on Drying at 105⁰	Not more than 12 % w/w
Ash	Not more than 14 % w/w
Acid Insoluble Ash	Not more than 4 % w/w
Water Soluble Extractive	Not less than 15 % w/w
Alcohol Soluble Extractive	Not less than 10 % w/w
Bulk Density	0.40 - 0.60 g/ml
pH (10% Aq. solution)	5.0 – 6.0
Thin Layer Chromatography Solvent system	Toluene : Ethyl acetate : Acetic acid (5 : 5 : 0.5)
Details	Solvent of Extraction – Ethyl acetate Solvent front – 90 mm Total No. of Major spots – 10 Detection – After spraying with Anisaldehyde H_2SO_4



Major Spots	Colour	Approx. Rf.
1	Light Blue	0.07
2	Light Blue	0.17
3	Light Blue	0.32
4	Blue	0.46
5	Green	0.56
6	Light Blue	0.64
7	Light Purple	0.70
8	Light Blue	0.72
9	Purple	0.85
10	Purple	0.90



3D Peak Display of Pushyanuga Choorna at 600 nm

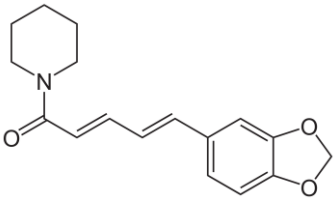
Confidential - photocopy prohibited

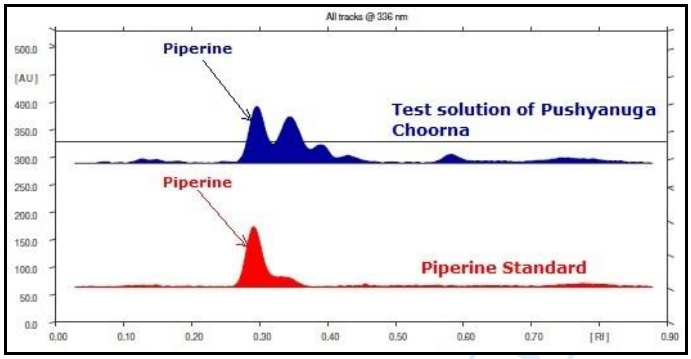
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile[+]

i) Piperine

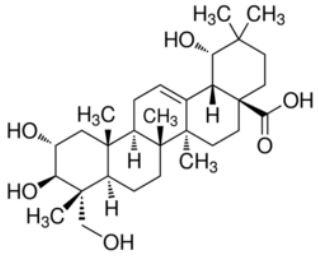
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 336 nm corresponding with Piperine standard.

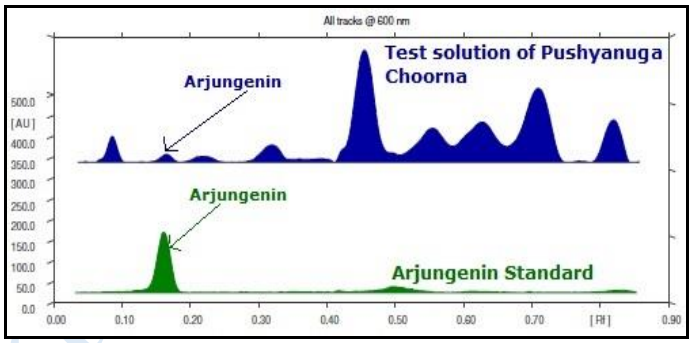




ii) Arjungenin

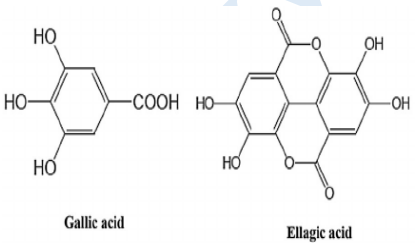
When examined in the range of 400 nm to 700 nm, the test solution shows absorption maxima at about 600 nm corresponding with Arjungenin standard.

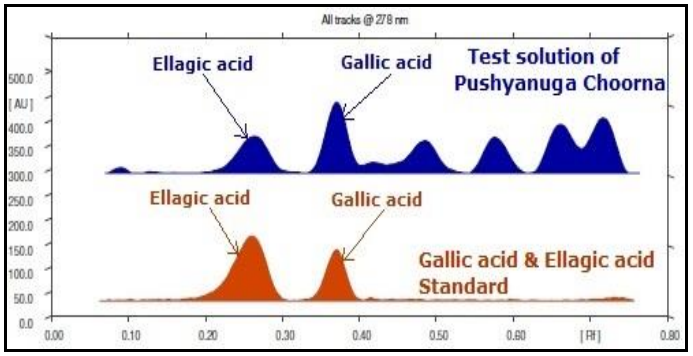




iii) Total Polyphenols (as Gallic acid & Ellagic acid)

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.





Heavy metal

Lead (Pb)	NMT 10 ppm
Mercury (Hg)	NMT 1 ppm
Arsenic (As)	NMT 3 ppm
Cadmium (Cd)	NMT 0.3 ppm

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

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

www.sdlindia.com

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