SITOPALADI CHOORNA

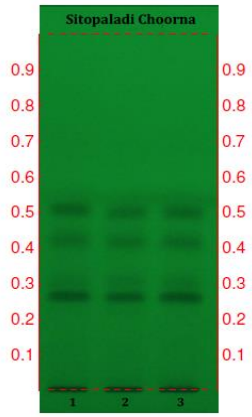
Monograph No. – 030014 *ver 3.0*

Issue No: 03
Date of Issue: 28/03/2017
Text Reference : Bhaishajya Ratnavali (Rajayakshma) 14/27-28

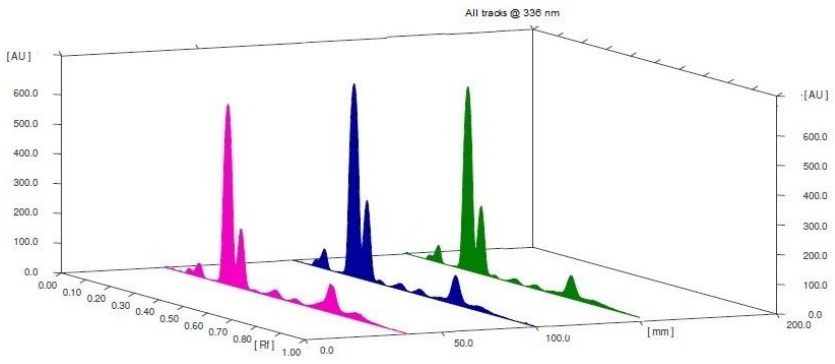
Amendment No : 02
Amendment Date : 16/12/2024
Shelf Life: 2 years



Description	Moderately fine to fine powder, Dull white colour, odour fragrant, taste sweet & pungent.
Loss on Drying at 105⁰	Not more than 5 % w/w
Ash	Not more than 27 % w/w
Acid Insoluble Ash	Not more than 27 % w/w
Water Soluble Extractive	Not less than 50 % w/w
Alcohol Soluble Extractive	Not less than 10 % w/w
Bulk Density	0.45 – 0.65 g/ml
Thin Layer Chromatography Solvent system	Toluene : Ethyl acetate (7 : 3)
Details	Solvent of Extraction – Methanol Solvent front – 90 mm Total No. of Major spots – 4 Detection – Under UV at 254 nm



Major Spots	Colour	Approx. Rf.
1	Black	0.26
2	Light Gray	0.30
3	Gray	0.42
4	Gray	0.50



3D Peak Display of Sitopaladi Choorna at 336 nm

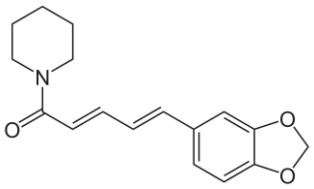
www.solindia.in

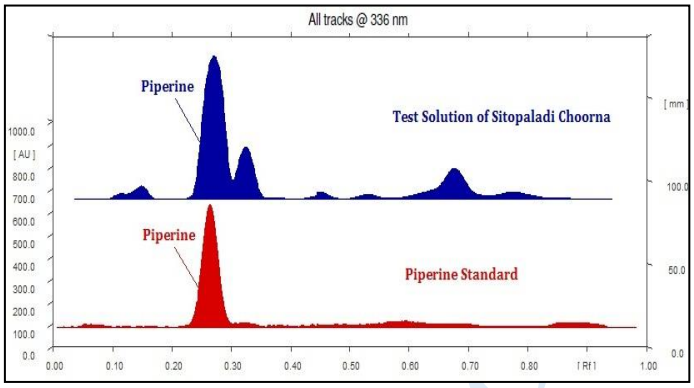
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

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.





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

www.sdlindia.com

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