VATAKULANTAK RASA

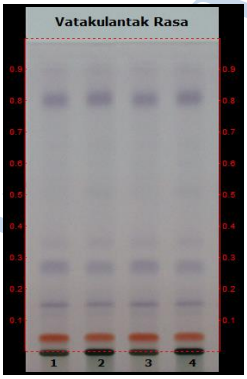
Monograph No. – 080024 *ver 3.0*

Issue No: 03
Date of Issue: 28/10/2016
Text Reference : Bhaishajya Ratnavali (Apasmar) 25/26-30

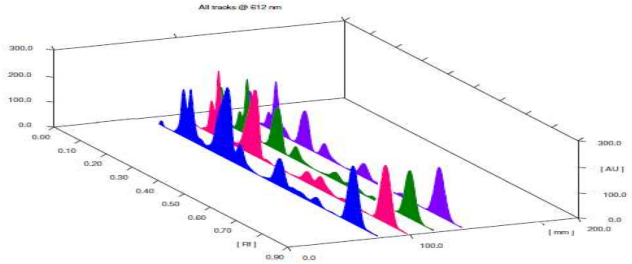
Amendment No : 03
Amendment Date : 25/01/2025
Shelf Life: - 5 years

Description	A fine powder, Greenish gray colour, odour characteristic, taste slight bitter
Sieve Test	Passes 40 mesh
Loss on Drying at 105^0	Not more than 6 % w/w
Ash	Not more than 6 % w/w
Acid Insoluble Ash	Not more than 2 % w/w
Water Soluble Extractive	Not less than 7.5 % w/w
Alcohol Soluble Extractive	Not less than 4 % w/w
pH (1% aqueous solution)	4.0 – 5.0
Bulk density	0.6 – 0.8 g/ml
Elemental Assay	
Mercury (Hg)	8.80 – 13.40 % w/w
Sulphur (S)	12.0 – 18.0 % w/w
Arsenic (As)	Not less than 3.80 % w/w
Thin Layer Chromatography Solvent system	Toluene : Ethyl acetate : Glacial acetic acid (9 : 1 : 0.1)
Details	Solvent of Extraction – Methanol Solvent front – 90 mm Total No. of Major spots – 7 Visualization – After spraying Anisaldehyde H_2SO_4





Major Spots	Colour	Approx. Rf.
1	Orange	0.04
2	Violet	0.15
3	Violet	0.27
4	Light Violet	0.33
5	Light Violet	0.50
6	Violet	0.81
7	Light Violet	0.90



3D Peak Display of Vatakulantak Rasa at 612 nm

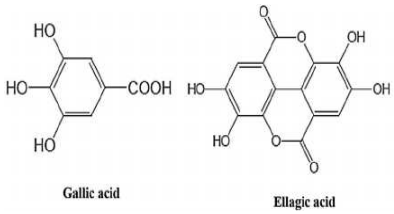
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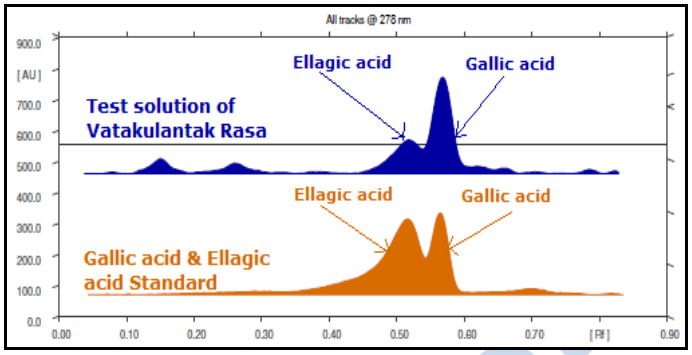
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile[+]

i) 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.





E. coli	Absent/g
P. aeruginosa	Absent/g
Salmonella sp.	Absent/g
Staphylococcus sp.	Absent/g
Total Microbial plate count (TPC)	Not more than 10^5 c.f.u./g
Total Yeast & Mould count (TYMC)	Not more than 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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Note : [†] : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.