

KANAKASAV

Monograph No. – 100052 ver 3.0

Issue No: 03

Amendment No : 02

Date of Issue: 16/03/2017

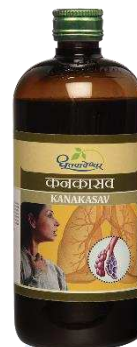
Amendment Date : 16/03/2024

Text Reference : Ayurvedic Formulary of India (AFI) Part I, 1:9

Shelf Life: 10 years

Description

Brown coloured liquid, characteristic fermented odour, taste sweet followed by slight bitter and astringent.



pH

3.5 – 5.0

Specific Gravity at 25°

1.05 – 1.15 g/ml

Brix

25 – 35 %

Alcohol content

7 – 11 % v/v

Thin Layer Chromatography Solvent system

Ethyl acetate : Methanol : Ammonia
(8 : 2 : 0.2)

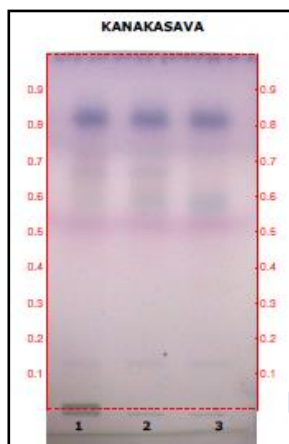
Details

Solvent of Extraction – Chloroform + Water + Ammonia

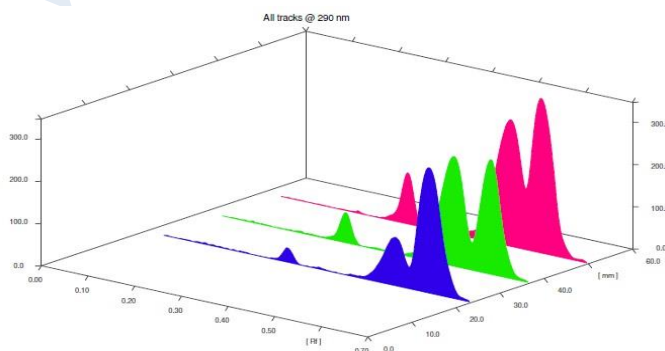
Distance travelled by solvent front – 90mm

Total No. of Major spots – 4

Detection – After spraying with Anisaldehyde H₂SO₄



Major Spots	Colour	Approx. Rf.
1	Light Purple	0.13
2	Gray	0.59
3	Gray	0.68
4	Violet	0.81



3D Peak Display of Kanakasava at 290 nm

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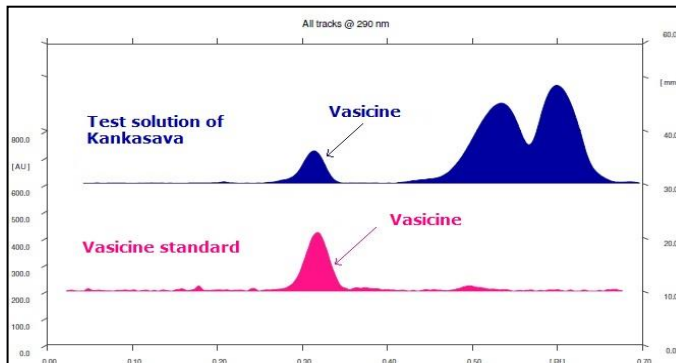
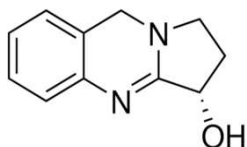
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Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile[†]

i) Vasicine

When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 290 nm corresponding with Vasicine standard.



Heavy metal

Lead (Pb)	NMT 10 ppm
Mercury (Hg)	NMT 1 ppm
Arsenic (As)	NMT 3 ppm
Cadmium (Cd)	NMT 0.3 ppm
<i>E. coli</i>	Absent/ml
<i>P. aeruginosa</i>	Absent/ml
<i>Salmonella sp.</i>	Absent/ml
<i>Staphylococcus sp.</i>	Absent/ml
Total Microbial Plate Count (TPC)	NMT 10 ⁵ c.f.u./ml
Total Yeast & Mould Count (TYMC)	NMT 10 ³ c.f.u./ml
Pesticide Residue[†] (OC+OP)	Complies as per API
Aflatoxins B1,B2,G1,G2[†]	Complies as per API