

NISHAMALAKI LIQUID

Monograph No. – 310004 ver 3.0

Issue No: 03

Date of Issue: 27/08/2021

Text Reference : Ashtang Hruday Chikitsa (Prameha) 12/5

Amendment No : 00

Amendment Date : --

Shelf Life: 1.5 year

Description

Yellow to brown colour turbid liquid, aromatic odour with sour, astringent & bitter taste

Specific Gravity

0.85 - 1.25 g/ml

Brix

Not less than 7 %

Total Solids

Not less than 6 %

Total Dissolve Solids

Not less than 4 %

pH

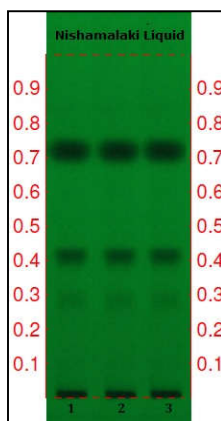
3.0 - 5.0

Thin Layer Chromatography Solvent system

Chloroform : Ethyl Acetate : Formic acid
(5 : 4 : 1.6)



Details



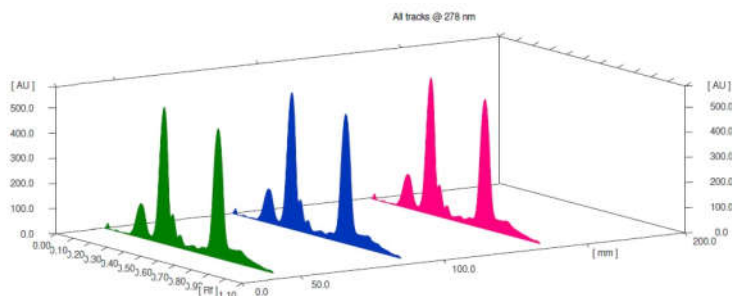
Solvent of Extraction – Methanol

Solvent front – 90 mm

Total No. of Major spots – 3

Detection – Under UV at 254 nm

Major Spots	Colour	Approx. Rf.
1	Gray	0.28
2	Black	0.41
3	Black	0.71



3D Peak Display of Nishamalaki Liquid at 278 nm

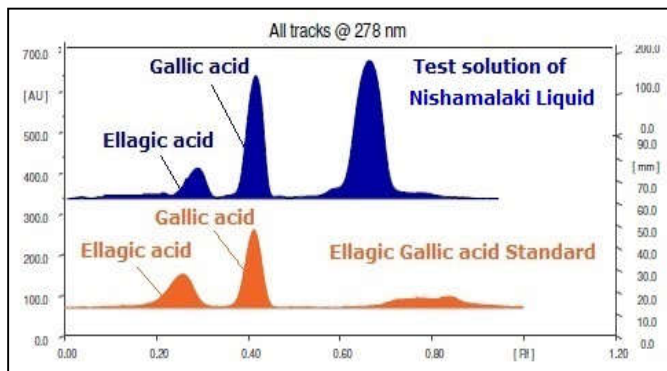
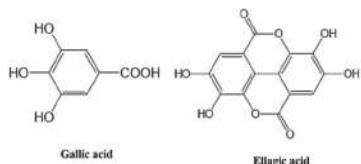
Confidential – photocopy prohibited

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

HPTLC Profile[†]

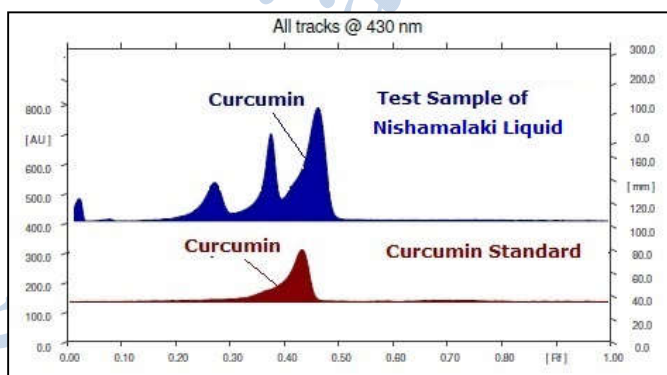
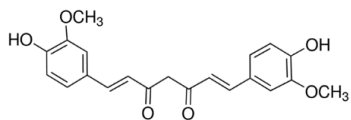
i) Total Polyphenols (as Gallic acid & Ellagic acid)

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.



ii) Curcumin

When examined in the range of 200 nm to 700 nm, the test solution shows absorption maxima at about 430 nm corresponding with Curcumin 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	NMT 10 ³ c.f.u./g
Pesticide Residue[†] (OC+OP)	Complies as per API
Aflatoxins B1,B2,G1,G2[†]	Complies as per API