

ASHOTONE SYRUP

Monograph No. – 070204 ver 3.0

Issue No: 03

Date of Issue: 28/10/2016

Text Reference : Ayurvedic Proprietary Medicine

Amendment No : 00

Amendment Date : --

Shelf Life: 3 years

Description

Purplish black coloured syrupy suspension, taste-sweet followed by a metallic taste, odour characteristic.

Brix

50.0 – 58.0 %

Specific gravity

1.2 - 1.3

Refractive Index

1.40 - 1.45

pH

3.50 - 4.50

Elemental Assay

Iron (Fe)

Not less than 0.03 % w/v

Thin Layer Chromatography

Mobile Phase

Toluene : Ethyl acetate : Formic acid
(5 : 5 : 1)

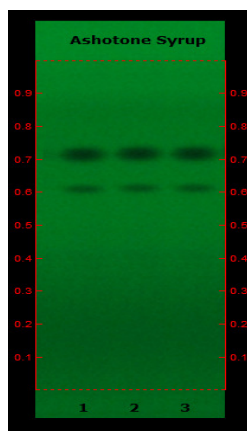
Details

Solvent of Extraction – Ethyl acetate

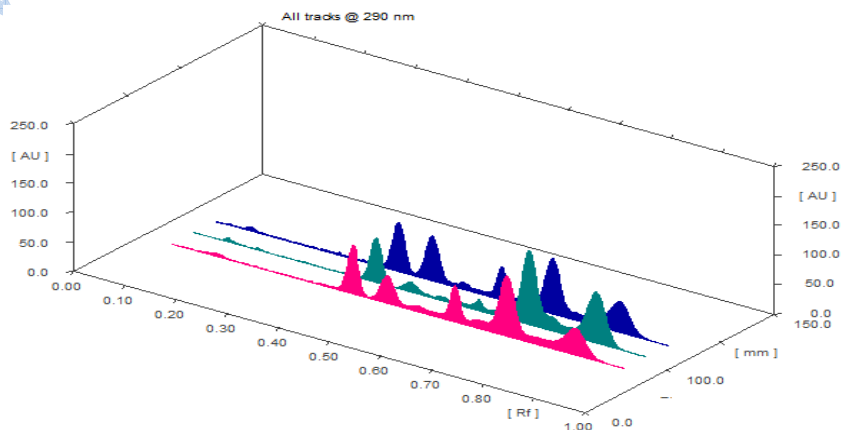
Solvent front – 90 mm

Total No. of Major spots – 3

Detection – Under UV at 254 nm



| Major Spots | Colour | Approx. Rf. |
|-------------|--------|-------------|
| 1 | Gray | 0.40 |
| 2 | Black | 0.61 |
| 3 | Black | 0.72 |



3D Peak Display of Ashotone syrup at 290 nm

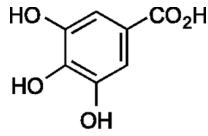
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Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

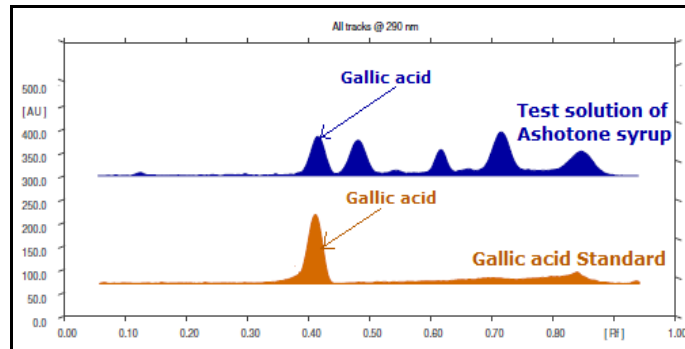
HPTLC Profile

i) Total Polyphenols (as Gallic acid)



gallic acid (GA)

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



| | |
|---|------------------------------|
| 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 |