

ENTOSTAL SYRUP

Monograph No. – 070213 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

Amber coloured syrupy liquid;
taste – sweet slightly bitter,
odour - characteristic that of
pineapple flavor.

Brix

48 – 58 %

Specific gravity

1.2 – 1.3 g/ml

Refractive Index

1.41 – 1.44

pH

5.7 – 6.7

Thin Layer Chromatography Mobile Phase

Toluene : Ethyl acetate : Diethyl amine
(6.5 : 2.5 : 1)

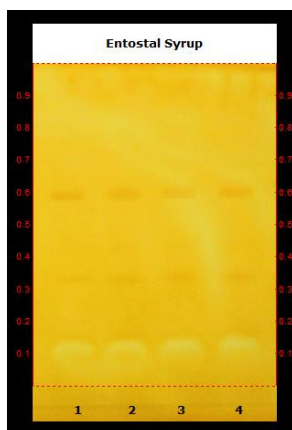
Details

Solvent of Extraction – Diethyl ether : Chloroform (3 : 1) +
Ammonia solution

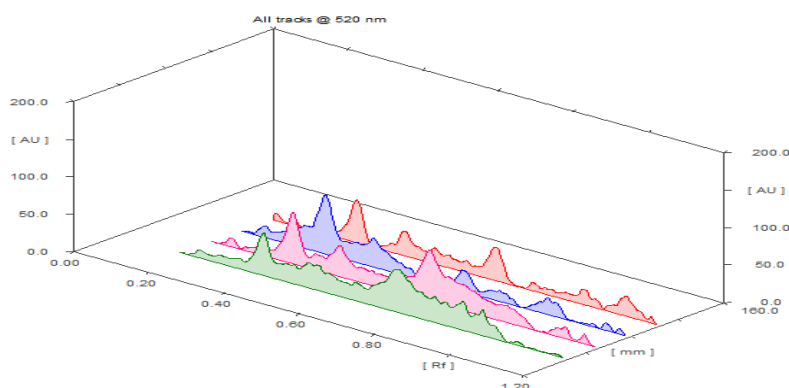
Solvent front – 90 mm

Total No. of Major spots – 3

Detection – After spraying with Dragendorff's reagent



Major Spots	Colour	Approx. Rf.
1	Pale Yellow	0.13
2	Orange	0.33
3	Orange	0.59



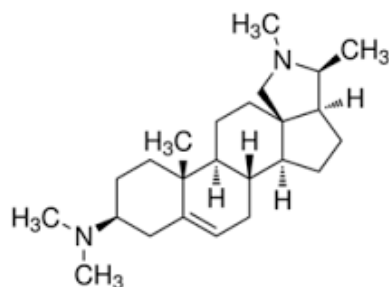
3D Peak Display of Entostal Syrup at 520 nm

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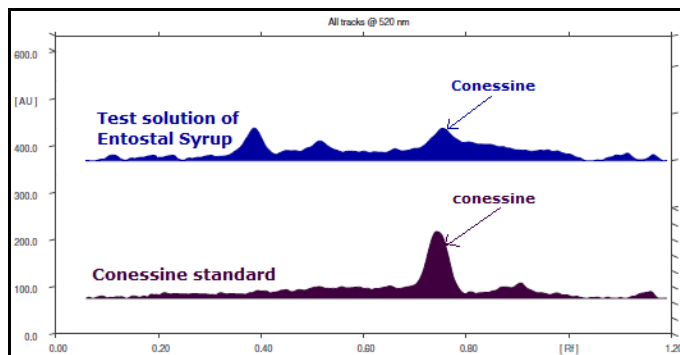
Note : [†] : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

HPTLC Profile[†]

i) Conessine



When examined in the range of 400 nm to 700 nm, the test solution shows absorption maxima at about 520 nm corresponding with Conessine 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/ml
P. aeruginosa	Absent/ ml
Salmonella sp.	Absent/ ml
Staphylococcus sp.	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