

## PLANTACID CAPSULE

**Monograph No. – 070231 ver 3.0**

Issue No: 03

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Text Reference : Ayurvedic Proprietary Medicine

Amendment No : 01

Amendment Date : 27/04/2023

Shelf Life: 5 years

### Description

Orange coloured, "0" size, hard gelatin, filled capsule.

### Loss on Drying at 105°

Not more than 5 % w/w

### Disintegration Time

Not more than 30 mins.

### Average Weight

575 mg ± 7.5%

### Uniformity of weight

Not more than 2 capsules deviate by more than 7.5 % of the average fill weight and none by more than 15 %

### Elemental Assay

#### Calcium (Ca)

46.0 – 70.0 mg/capsule

### Thin Layer Chromatography

#### Mobile Phase

Toluene : Ethyl acetate : Formic acid  
( 4 : 6 : 2.5 )

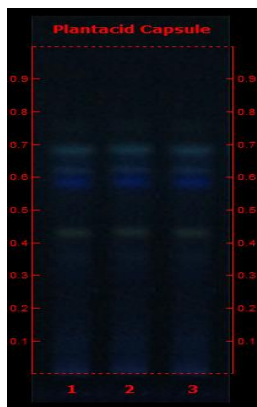
### Details

Solvent of Extraction – Methanol

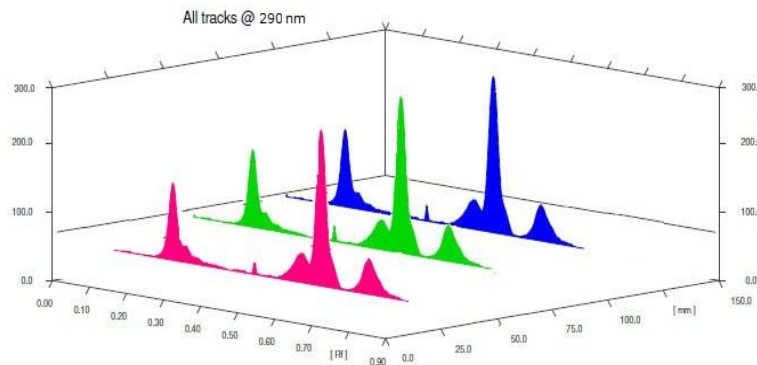
Solvent front – 90 mm

Total No. of Major spots – 4

Detection – Under UV at 366 nm



Major Spots	Colour	Approx. Rf.
1	Green	0.43
2	Blue	0.59
3	Light Blue	0.62
4	Light Blue	0.68



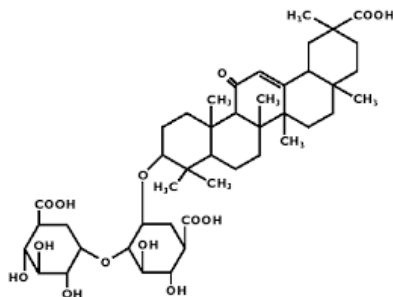
**3D Peak Display of Plantacid Capsule at 290 nm**

**Confidential – photocopy prohibited**

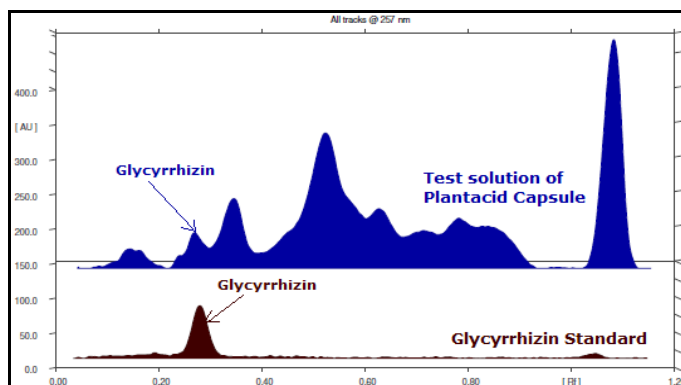
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

## HPTLC Profile<sup>†</sup>

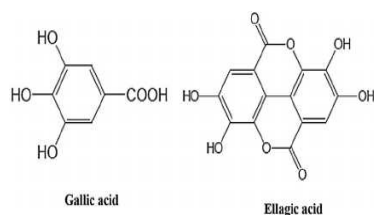
### i) Glycyrrhizin



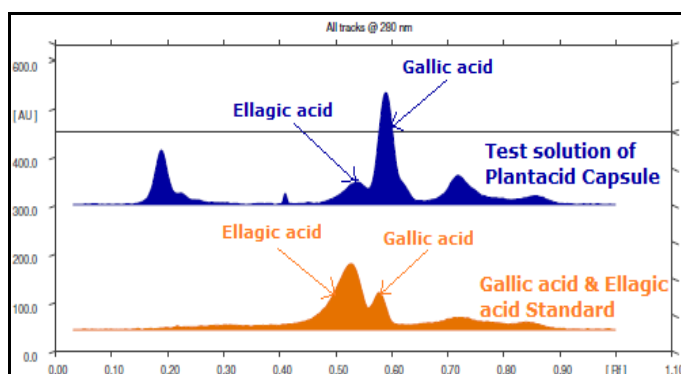
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 257 nm for Glycyrrhizin corresponding with Glycyrrhizin standard.



### 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.



<b>E. coli</b>	Absent/g
<b>P. aeruginosa</b>	Absent/g
<b>Salmonella sp.</b>	Absent/g
<b>Staphylococcus sp.</b>	Absent/g
<b>Total Microbial plate count (TPC)</b>	NMT 10 <sup>5</sup> c.f.u./g
<b>Total Yeast &amp; Mould count (TYMC)</b>	NMT 10 <sup>3</sup> c.f.u./g
<b>Pesticide Residue<sup>†</sup> (OC+OP)</b>	Complies as per API
<b>Aflatoxins B1,B2,G1,G2<sup>†</sup></b>	Complies as per API