

## MEDOJJAY

Monograph No. – 320004 ver 3.0

Issue No: 03

Date of Issue: 05/04/2024

Text Reference : Ayurvedic Proprietary Medicine

Amendment No : 00

Amendment Date : --

Shelf Life: 3 years

### Description

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

### pH

3.8 – 5.0

### Specific Gravity at 25°

1.00 - 1.15 g/ml

### Brix

20 – 35 %

### Alcohol content

7 – 11 % v/v

### Thin Layer Chromatography

#### Solvent system

Chloroform : Ethyl acetate : Formic acid  
( 5.0 : 4.0 : 1.6 )

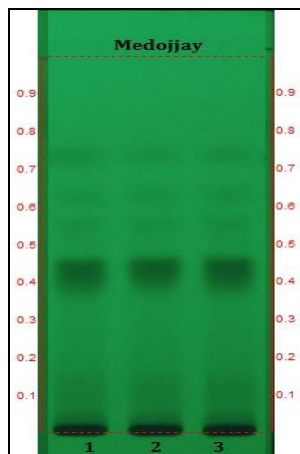
#### Details

Solvent of Extraction – Methanol

Distance travelled by solvent front – 90mm

Total No. of Major spots – 4

Visualization – Under UV at 254nm

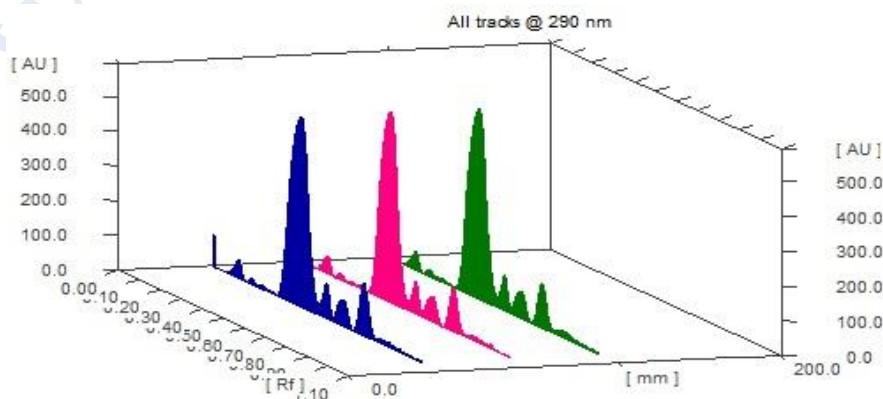


#### Major Spots

#### Colour

#### Approx. Rf.

|   |            |      |
|---|------------|------|
| 1 | Gray       | 0.44 |
| 2 | Light gray | 0.56 |
| 3 | Light gray | 0.63 |
| 4 | Light gray | 0.73 |



3D Peak Display of Medojjay at 290 nm

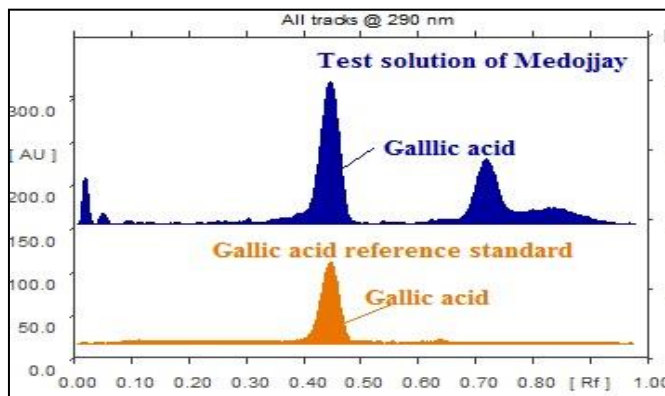
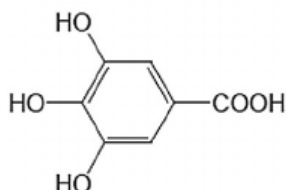
Confidential - photocopy prohibited

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

## HPTLC Profile<sup>†</sup>

### i) Gallic 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 corresponding with Gallic acid reference standard.



## Heavy metal

### Lead (Pb)

Not more than 10 ppm

### Mercury (Hg)

Not more than 1 ppm

### Arsenic (As)

Not more than 3 ppm

### Cadmium (Cd)

Not more than 0.3 ppm

### *E. coli*

Absent/ml

### *P. aeruginosa*

Absent/ml

### *Salmonella sp.*

Absent/ml

### *Staphylococcus sp.*

Absent/ml

### Total Microbial Plate Count (TPC)

Not more than  $10^5$  c.f.u./ml

### Total Yeast & Mould Count (TYMC)

Not more than  $10^3$  c.f.u./ml

### Pesticide Residue<sup>†</sup> (OC+OP)

Complies as per API

### Aflatoxins B1,B2,G1,G2<sup>†</sup>

Complies as per API