

## GULKAND

### Monograph No. – 310002 ver 3.0

Issue No: 03

Date of Issue: 27/04/2021

Text Reference : Ayurvedic Proprietary Medicine

Amendment No : 02

Amendment Date : 11/03/2022

Shelf Life: 3 years

#### Description

Brown to Dark Brown color, semi-solid mass consist of rose petals, sweet taste followed by characteristic flavor of rose.



#### Loss on Drying at 105°

Not more than 20 %

#### Ash

Not more than 2 %

#### Acid Insoluble Ash

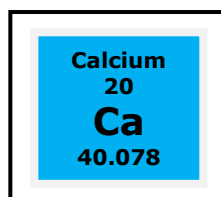
Not more than 0.2 %

#### Water Soluble Extractive

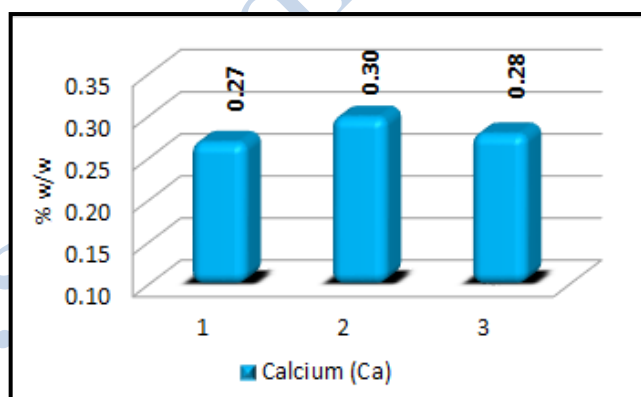
Not less than 60 %

#### Elemental Assay

##### Calcium (Ca)



##### NLT 0.25 % w/w



#### Thin Layer Chromatography Solvent system

Toluene : Ethyl Acetate  
( 9.3 : 0.7 )

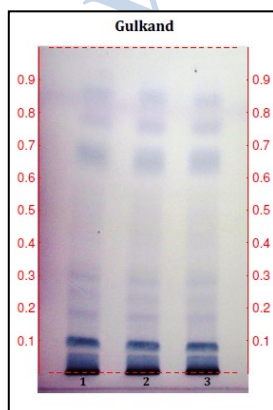
#### Details

Solvent of Extraction – n-Hexane

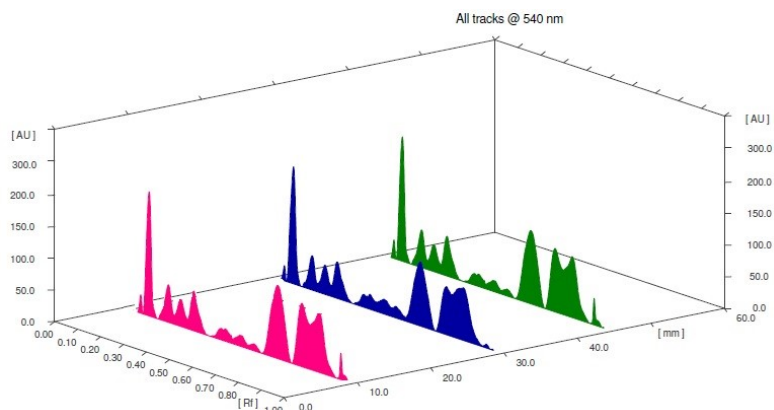
Solvent front – 90 mm

Total No. of Major spots – 7

Detection – Scanning at 540 nm



Major Spots	Colour	Approx. Rf.
1	Blue	0.09
2	Light Violet	0.17
3	Light Violet	0.22
4	Light Violet	0.28
5	Violet	0.64
6	Light Violet	0.75
7	Light Violet	0.83



### 3D Peak Display of Gulkand at 540 nm

<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>Tota 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