

## BHASKAR LAVANA CHOORNA

Monograph No. – 030023 ver 3.0

Issue No: 03

Amendment No : 00

Date of Issue: 28/03/2017

Amendment Date : --

Text Reference : Bhaishajya Ratnavali (Agnimandyadi) 10/79-87

Shelf Life: 2 years

### Description

Moderately fine to fine powder, Creamish brown colour, odour characteristic, taste acid.

### Loss on Drying at 105°

Not more than 7 % w/w

### Ash

Not more than 46 % w/w

### Acid Insoluble Ash

Not more than 12 % w/w

### Water Soluble Extractive

Not less than 45 % w/w

### Alcohol Soluble Extractive

Not less than 10 % w/w

### Bulk Density

0.45 - 0.65

### Thin Layer Chromatography Solvent system

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

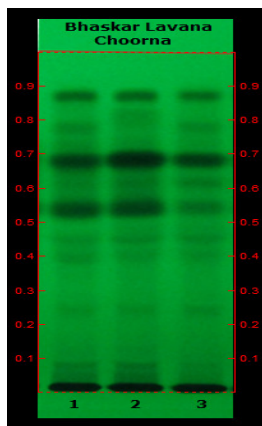
### Details

Solvent of Extraction – Methanol

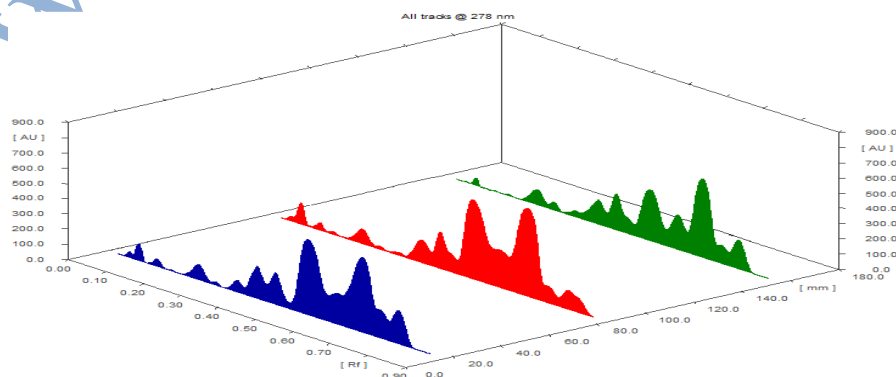
Solvent front – 90 mm

Total No. of Major spots – 10

Detection – Under UV at 254 nm



Major Spots	Colour	Approx. Rf.
1	Gray	0.06
2	Gray	0.08
3	Light Gray	0.24
4	Light Gray	0.39
5	Light Gray	0.45
6	Black	0.54
7	Gray	0.61
8	Black	0.68
9	Gray	0.78
10	Black	0.87



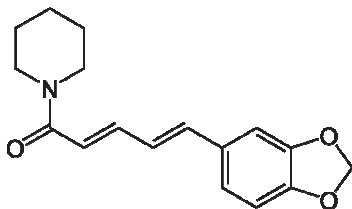
3D Peak Display of Bhaskar Lavana Churna at 278 nm

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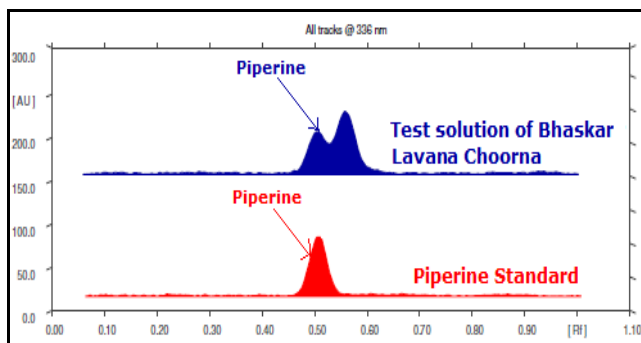
Note : † : These extra tests can be performed on every batch at extra cost. Tests can be ascertained on request.

## HPTLC Profile<sup>†</sup>

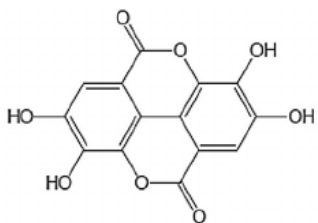
### i) Piperine



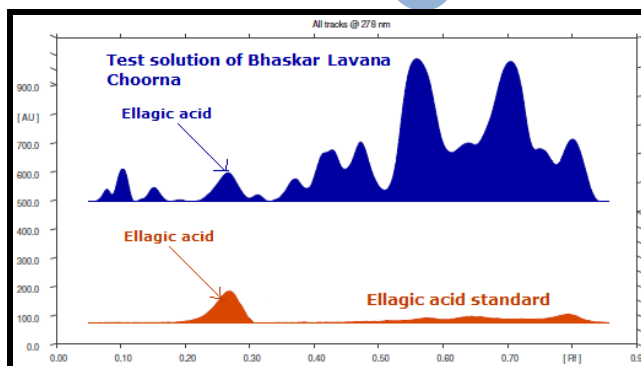
When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 336 nm corresponding with Piperine standard.



### ii) Ellagic acid



When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 278 nm corresponding with Ellagic acid standard.



## Heavy metal

<b>Lead (Pb)</b>	NMT 10 ppm
<b>Mercury (Hg)</b>	NMT 1 ppm
<b>Arsenic (As)</b>	NMT 3 ppm
<b>Cadmium (Cd)</b>	NMT 0.3 ppm

**E. coli** <sup>†</sup> Absent/g

**P. aeruginosa** <sup>†</sup> Absent/g

**Salmonella sp.** <sup>†</sup> Absent/g

**Staphylococcus sp.** <sup>†</sup> Absent/g

**Total Microbial plate count (TPC)** <sup>†</sup> NMT 10<sup>5</sup> c.f.u./g

**Total Yeast & Mould count** <sup>†</sup> NMT 10<sup>3</sup> c.f.u./g

**Pesticide Residue** <sup>†</sup> (OC+OP) Complies as per API

**Aflatoxins B1,B2,G1,G2** <sup>†</sup> Complies as per API

## BHASKARLAVANA CHOORNA VATI

Monograph No. – 0300234 ver 3.0

Issue No: 03

Amendment No : 00

IDate of Issue: 28/03/2017

Amendment Date : --

Text Reference : Bhaishajya Ratnavali (Agnimandyadi) 10/79-87

Shelf Life: 3 years

### Description

Greenish brown coloured round biconvex coated tablets.

### Loss on Drying at 105°

Not more than 7 % w/w

### Hardness

Not less than 2.0 kg/cm<sup>2</sup>

### Thickness

5.5 mm ± 0.5 mm

### Diameter

12.0 - 12.5 mm

### Disintegration Time

Not more than 60 min.

### Average Weight

660 mg ± 5%

### Uniformity of weight of 20 tablets

Not more than 2 tablets deviate by more than 5% of the average weight and none by more than 10% of the average weight.

### Ash

Not more than 45 % w/w

### Acid insoluble ash

Not more than 5 % w/w

### Water soluble extractive

Not less than 35 % w/w

### Alcohol soluble extractive

Not less than 25 % w/w

### Thin Layer Chromatography Solvent system

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

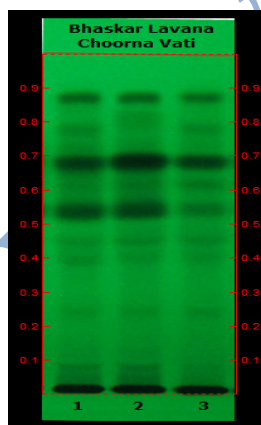
### Details

Solvent of Extraction – Methanol

Solvent front – 90 mm

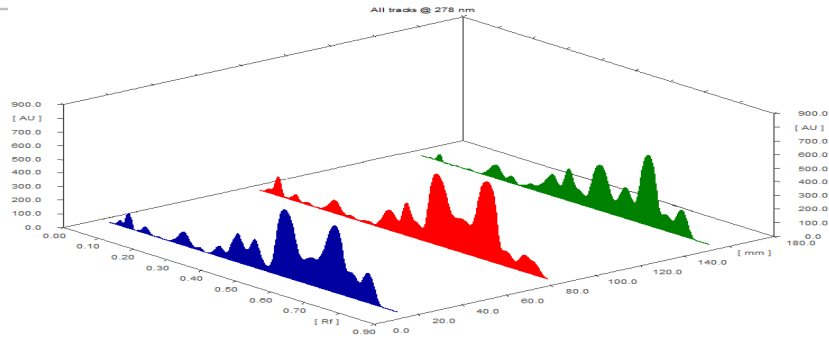
Total No. of Major spots – 10

Detection – Under UV at 254 nm



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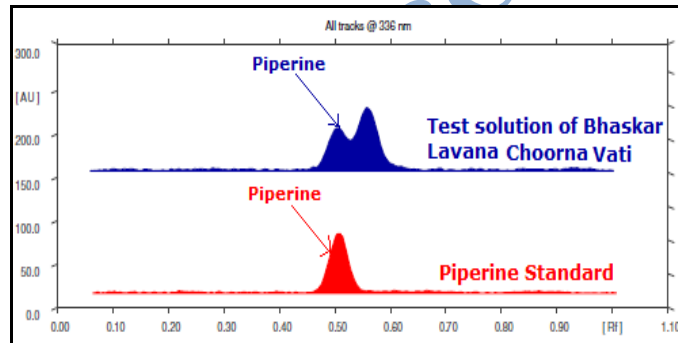
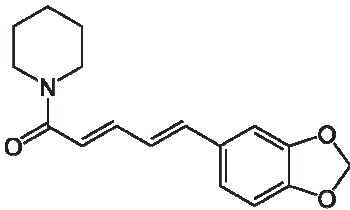


**3D Peak Display of Bhaskar Lavana Choorna Vati at 278 nm**

## HPTLC Profile<sup>†</sup>

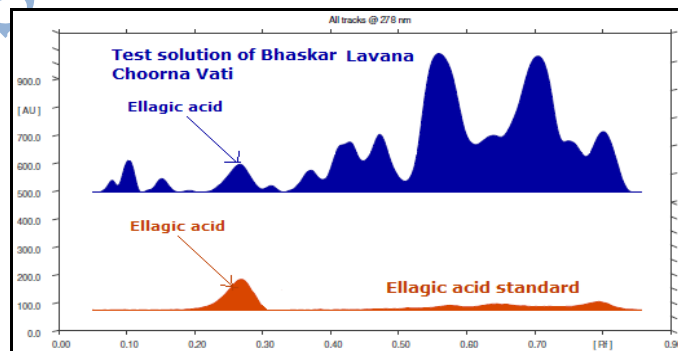
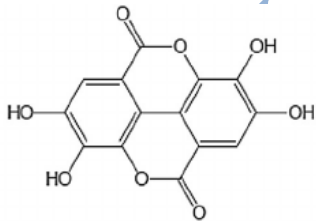
### i) Piperine

When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 336 nm corresponding with Piperine standard.



### ii) Ellagic acid

When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 278 nm corresponding with Ellagic acid standard.



## Heavy metal

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

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