

ZASDAMRUT

Monograph No. – 0703694 ver 3.0

Issue No: 03

Date of Issue: 26/04/2023

Text Reference : Ayurvedic Proprietary Medicine

Amendment No : 01

Amendment Date : 29/12/2023

Shelf Life: 5 years

Description	Pink coloured caplet shaped biconvex film coated tablets.
Loss on Drying at 105°	Not more than 8 % w/w
Friability	Not more than 1 % w/w
Disintegration Time	Not more than 60 min.
Hardness	Not less than 2.5 kg/cm ²
Thickness	5.5 ± 0.5 mm
Length	17.5 ± 0.5 mm
Average Weight	750 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 25 % w/w
Acid insoluble ash	Not more than 10 % w/w
Water soluble extractive	Not less than 25 % w/w
Alcohol soluble extractive	Not less than 2 % w/w
pH (1% Aq. solution)	5.0 – 7.0
Elemental assay	
Zinc (Zn)	18.0 – 30.0 mg/tablet



Thin Layer Chromatography Mobile Phase

Chloroform : Ethanol : Glacial Acetic Acid
(9.4 : 0.5 : 0.1)

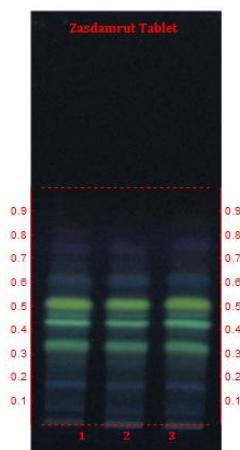
Details

Solvent of Extraction – Methanol

Distance travelled by solvent front – 60 mm

Total No. of Major spots – 7

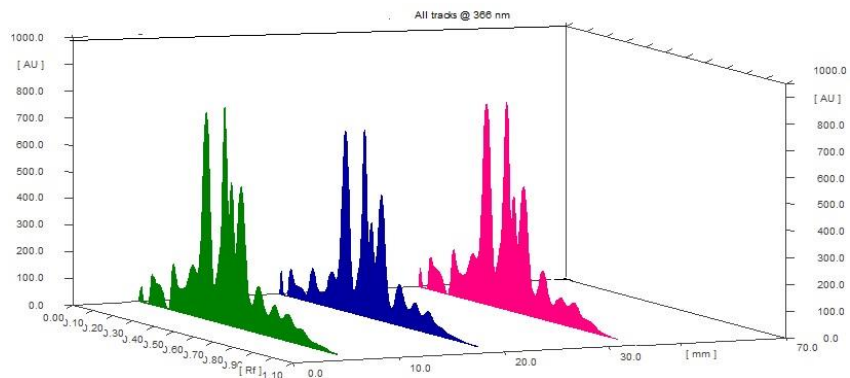
Detection – Under UV at 366 nm



Major Spots	Colour	Approx. Rf.
1	Light blue	0.17
2	Yellow	0.32
3	Yellow	0.42
4	Yellow	0.46
5	Yellow	0.51
6	Blue	0.61
7	Blue	0.75

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

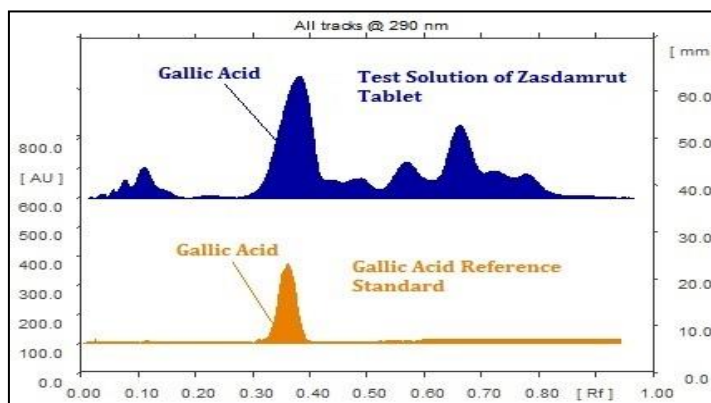
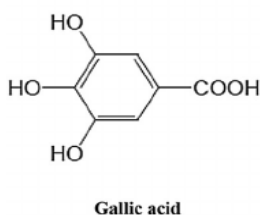


3D Peak Display of Zasadmrut at 366 nm

HPTLC Profile +

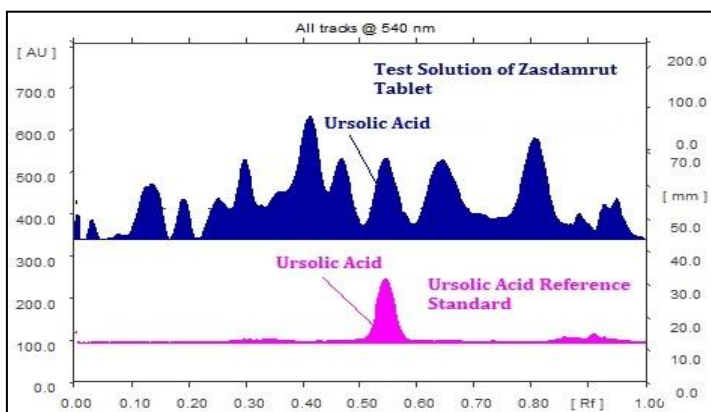
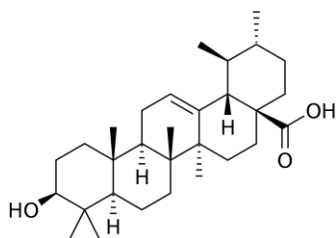
i) Total Polyphenols (as Gallic acid)

When examined in the range of 200 nm to 400 nm, the test solution shows absorption maxima at about 290 nm corresponding with Gallic acid standard.



ii) Ursolic acid

When examined in the range of 400 nm to 700 nm, the test solution shows absorption maxima at about 540 nm corresponding with Ursolic acid standard.

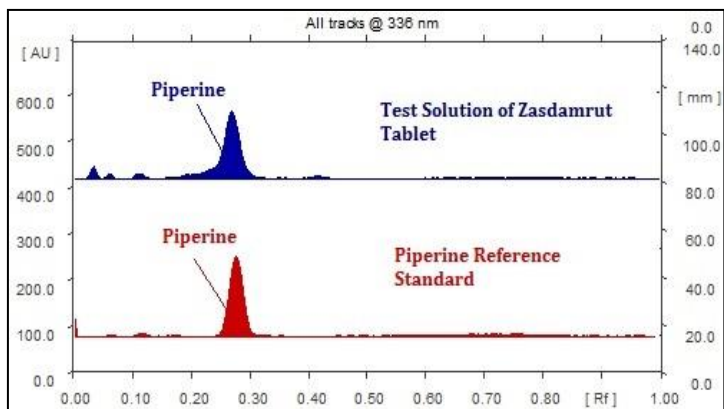
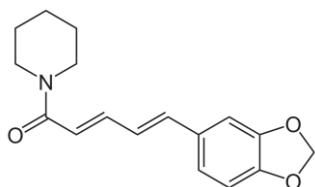


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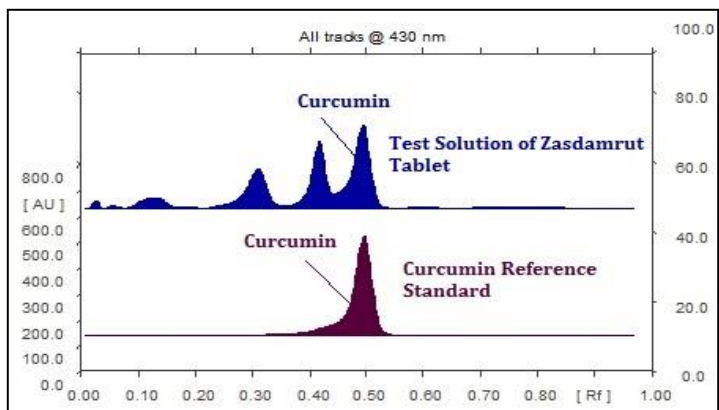
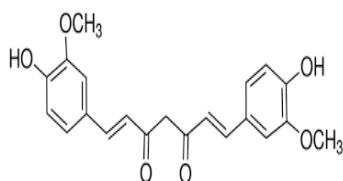
iii) Piperine

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.



iv) Curcumin

When examined in the range of 400 nm to 700 nm, the test solution shows absorption maxima at about 430 nm corresponding with Curcumin standard.



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

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