

Biyang Tablets (*Biyang Pian*) – 鼻炎片

Sample source

Commercially available Biyang Tablets

Chemical reference substances

Magnolol (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 110882-200203)

Preparation of test solution

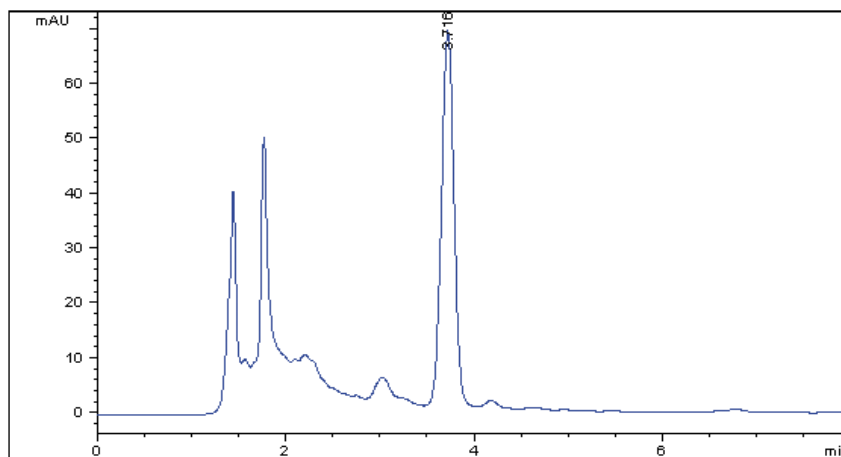
Accurately weigh 10 tablets, remove the coating, grind to a fine powder. accurately weigh 0.4 g, in a stoppered conical flask, accurately add 10 mL of methanol, stopper tightly and weigh. Treat ultrasonically for 30 minutes, allow to cool, weigh again and replenish the lost weight with methanol, mix well and filter. Accurately measure 5 mL of the successive filtrate and apply to a neutral alumina column (100-200 mesh, 10 mm in internal diameter, packed with 2 g of neutral alumina by methanol, washed previously with methanol) and elute with a quantity of methanol, collect eluent in a 10 mL volumetric flask until almost to the volume, dilute with methanol to volume and mix well. Filter and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 35 °C
- Mobile phase: acetonitrile-water (38:62)
- Detector wavelength: 278 nm
- Flow rate: 1.0 mL/min
- Injection volume: 15 µL

Chromatographic system

- Agilent 1200 Series quaternary pump with vacuum degasser
- Agilent 1200 Series high-performance autosampler
- Agilent 1200 Series thermostated column compartment
- Agilent 1200 Series variable wavelength detector
- System control through Agilent ChemStation revision B.01.01



Components	k'	Ret Time (min)	Height (mAU)	Area (mAU*s)	n	USP T _r
Hesperidin		3.716	68.46	631.6	3861	1.00