

Xiaoyin Tablets (*Xiaoyin Pian*) – 消银片

Sample source

Commercially available Xiaoyin Tablets

Chemical reference substances

Matrine (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 110805-200306)

Preparation of test solution

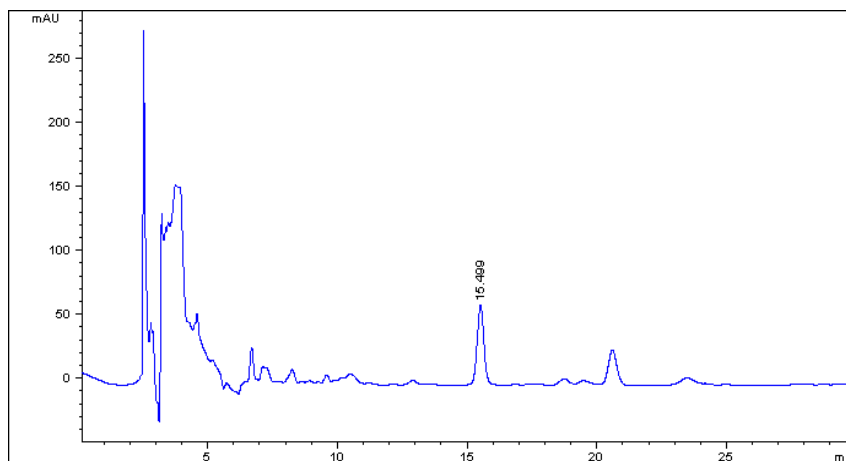
Accurately weigh 30 tablets, remove the coatings and grind to a fine powder, accurately weigh 3.5 g in a stoppered conical flask, add 1 mL of concentrated ammonia TS and 30 mL of chloroform, stopper tightly, shake thoroughly and allow to stand overnight. Filter, wash the flask and residue three times with 15 mL of chloroform. Combine the filtrate and washings, evaporate to dryness. Dissolve the residue in methanol. Transfer to a 25 mL volumetric flask, dilute to volume and mix well. Filter through a millipore membrane (0.45 µm) and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX Bonus-RP, 4.6×250 mm, 5 µm (880668-901)
- Column temperature: 35 °C
- Mobile phase: acetonitrile-0.1 % phosphoric acid (85:15) (pH 7.5)
- Detector wavelength: 220 nm
- Flow rate: 1.0 mL/min
- Injection volume: 10 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
Matrine	5.200	15.499	61.93	1115.2	17390	1.02