

Niuhuang Shangqing Pills (*Niuhuang Shangqing Wan*)

牛黄上清丸

Sample source

Commercially available Niuhuang Shangqing Pills

Chemical reference substances

Baicalin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110715-200212)

Preparation of test solution

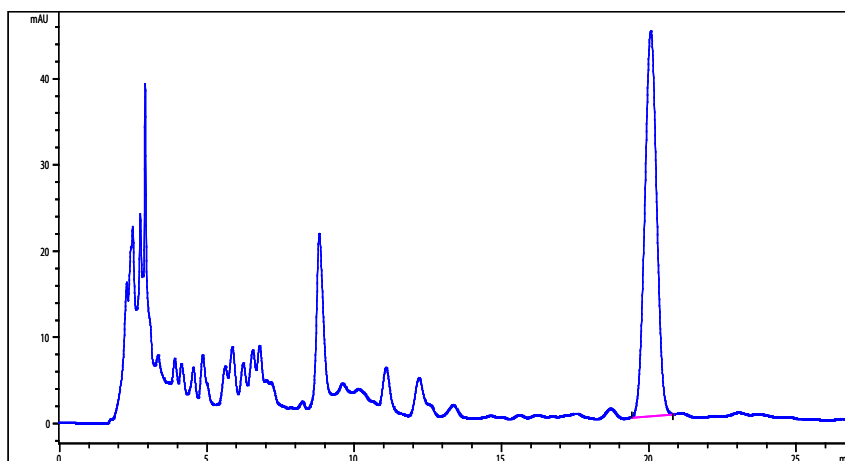
Cut a quantity of the pills into pieces, accurately weigh 2 g of the powder, accurately add 50 mL of dilute ethanol TS and weigh, treat ultrasonically for 3 hours, allow to cool, weigh again, replenish the lost weight with dilute ethanol TS. Allow to stand and use the supernatant as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×250 mm, 5 µm (880975-902)
- Column temperature: 35 °C
- Mobile phase: methanol-0.36% phosphoric acid (42:58)
- Detector wavelength: 280 nm
- Flow rate: 1.0 mL/min
- Injection volume: 5 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 diode-array detector
- System control through Agilent ChemStation revision B.01.01



Components	k'	Ret Time (min)	Height (mAU)	Area (mAU*s)	n	USP T _r
Baicalin	7.027	20.067	44.65	1256.7	11700	1.02