

Niuhuang Jiangya Pills (*Niuhuang Jiangya Wan*) – 牛黄降压丸

Sample source

Commercially available Niuhuang Jiangya Pills

Chemical reference substances

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

Preparation of test solution

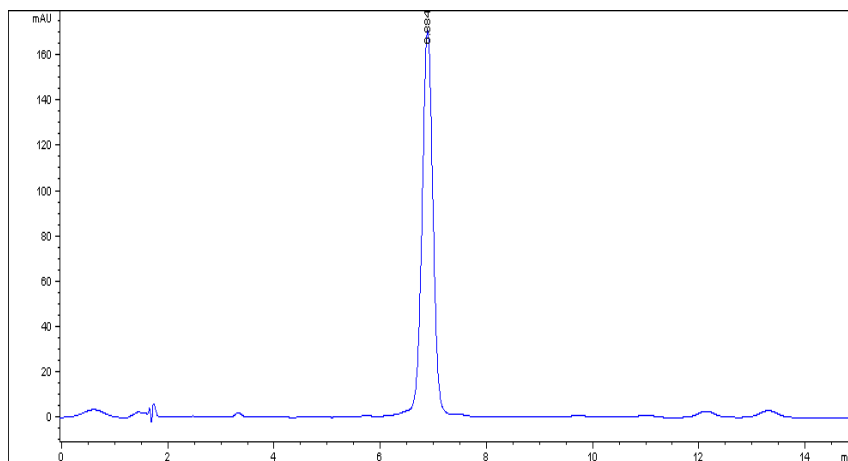
Grind the pills to a fine powder. Accurately weigh 1 g of the powder in a stoppered conical flask, accurately add 50 mL of dilute ethanol TS, stopper tightly and weigh. Heat under reflux for 30 minutes, allow to cool, weigh again, replenish the lost weight with dilute ethanol TS, stir well and filter. Accurately transfer 5 mL of the solution to a 100 mL volumetric flask and add dilute ethanol TS to volume, mix well and filter, use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 25 °C
- Mobile phase: methanol-water-glacial acetic acid (46:54:1)
- 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
Baicarin		6.884	168.55	2350.8	5769	0.99