

Gejie Dingchuan Pills (*Gejie Dingchuan Wan*) – 蛤蚧定喘丸

Sample source

Commercially available Gejie Dingchuan Pills

Chemical reference substances

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

Preparation of test solution

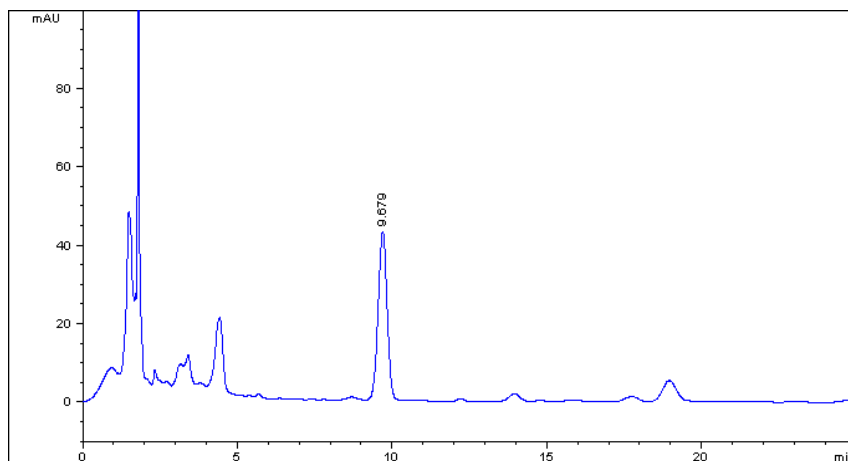
Grind a quantity of the pills to a fine power, accurately weigh 0.5 g of the powder in a 100 mL stoppered conical flask, accurately add 50 mL of 70 % ethanol, and weigh. Allow to soak warmly for 1 hour, heat under reflux for 30 minutes, allow to cool and weigh again, replenish the lost weight with 70 % ethanol, shake thoroughly 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-3.6 % phosphoric acid (45:55)
- Detector wavelength: 276 nm
- Flow rate: 1.0 mL/min

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
Baicalin	7.066	9.679	42.92	864.4	5380	0.98