

Qingguo Pills (*Qingguo Wan*) – 青果丸

Sample source

Commercially available Qingguo Pills

Chemical reference substances

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

Preparation of test solution

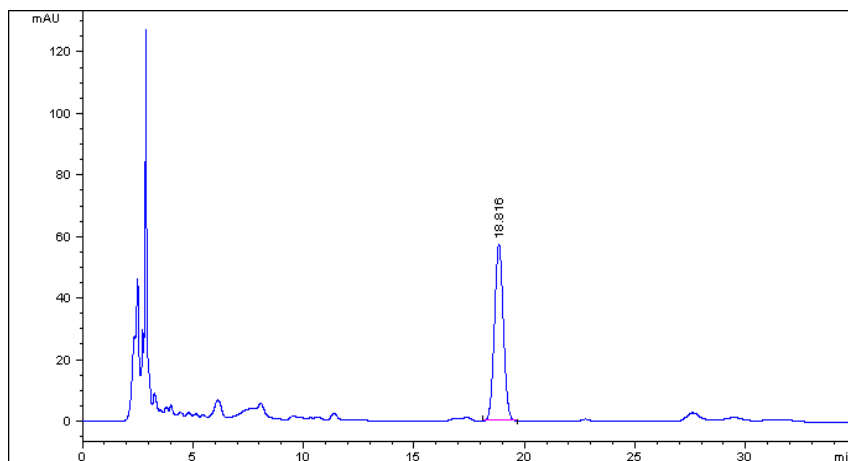
Cut a quantity of the pills into pieces, accurately weigh 1 g and grind well with 0.5 g of kieselguhr. Add 40 mL of 70 % ethanol, heat under reflux for 2 hours, cool, and filter. Wash the container and residue with a quantity of 70 % ethanol. Combine the washings and the filtrate in a 100 mL volumetric flask, dilute to volume with 70 % ethanol, mix well, filter, and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×250 mm, 5 µm (880975-902)
- Column temperature: 25 °C
- Mobile phase: methanol-0.36% phosphoric acid (43:57)
- 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 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	6.527	18.816	57.55	1614.0	10753	1.04