

Chitong Xiaoyanling Granules (*Chitong Xiaoyanling Keli*)

齿痛消炎灵颗粒

Sample source

Commercially available Chitong Xiaoyanling Granules

Chemical reference substances

Hesperidin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 0721-200211)

Preparation of test solution

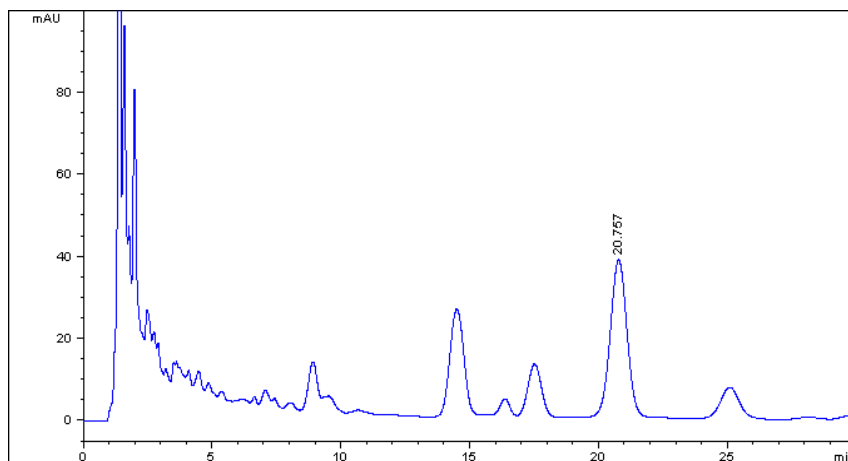
Grind a quantity of the granules to a fine powder and mix well. Accurately weigh 2 g of the fine powder in a conical flask. Add accurately 25 mL of methanol, weigh, treat ultrasonically for 1 hour, allow to cool, weigh again, replenish the lost weight with methanol, mix well and filter. Use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX XDB C18, 4.6×150 mm, 5 μm (993967-902)
- Column temperature: 25 °C
- Mobile phase: methanol-water (33:67)
- Detector wavelength: 283 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
Hesperidin	12.838	20.757	38.39	1718.9	4955	1.01