

# Zhimaikang Capsules (*Zhimaikang Jiaonang*) – 脂脉康胶囊

## Sample source

Commercially available Zhimaikang Capsules

## Chemical reference substances

Puerarin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 110752-200209)

## Preparation of test solution

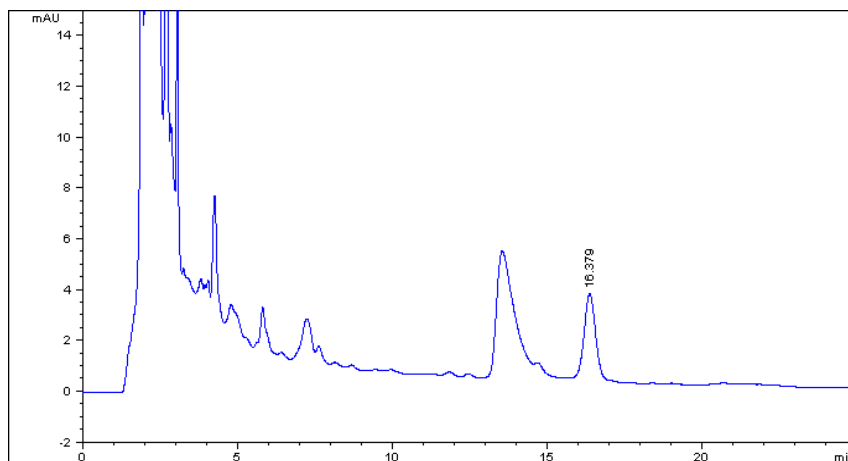
Grind a quantity of the contents to a fine powder, accurately weigh about 0.2 g in a stoppered conical flask, accurately add 50 mL of 30 % ethanol, weigh and treat ultrasonically for 30 minutes, allow to cool, weigh again, replenish the lost weight with 30 % ethanol, mix well and filter through a millipore membrane (0.45  $\mu\text{m}$ ), use the filtrate as the test solution.

## Chromatographic conditions

- Column: ZORBAX SB C18 4.6 $\times$ 250 mm, 5  $\mu\text{m}$  (880975-902)
- Column temperature: 25  $^{\circ}\text{C}$
- Mobile phase: methanol-water (25:75)
- Detector wavelength: 250 nm
- Flow rate: 1.0 mL/min
- Injection volume: 10  $\mu\text{L}$

## 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 <sub>r</sub>
Puerarin	5.552	16.379	3.36	84.2	9859	0.99