

# Kanggu Zengsheng Capsules (*Kanggu Zengsheng Jiaonang*)

## 抗骨增生胶囊

### Sample source

Commercially available Kanggu Zengsheng Capsules

### Chemical reference substances

icariine (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 0737-9910)

### Preparation of test solution

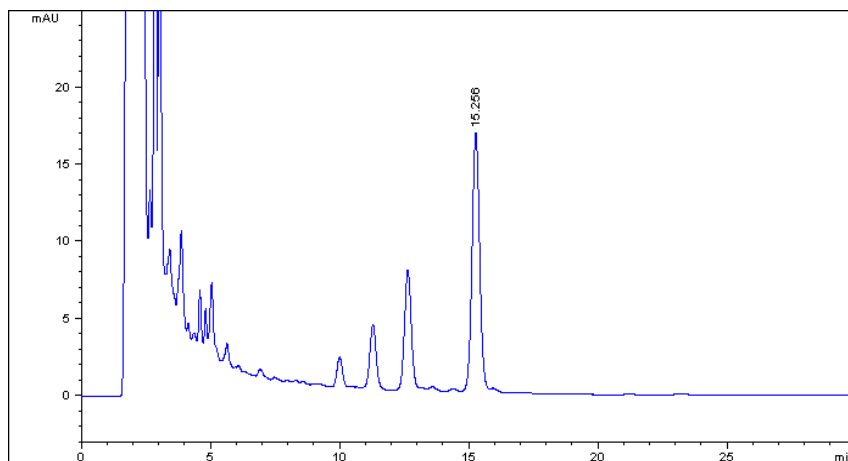
Grind the contents to a fine powder, accurately weigh 1 g in a 100 mL stoppered conical flask, accurately add 50 mL of 50 % ethanol, stopper tightly, and weigh. Treat ultrasonically for 1 hour, allow to cool, weigh again, replenish the lost weight with 50 % ethanol, and shake well. Filter through a millipore membrane (0.45  $\mu\text{m}$ ), and use the filtrate as the test solution.

### Chromatographic conditions

- Column: ZORBAX XDB C18 4.6 $\times$ 250 mm, 5  $\mu\text{m}$  (990967-902)
- Column temperature: 25  $^{\circ}\text{C}$
- Mobile phase: acetonitrile-water (25:75)
- Detector wavelength: 270 nm
- Flow rate: 1.0 mL/min
- Injection volume: 3 $\mu\text{L}$

### 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>
Icariine		15.256	16.61	331.7	13575	1.04