

# Longdan Xiegan Pills (*Longdan Xiegan Wan (Shuiwan)*)

## 龙胆泻肝丸 (水丸)

### Sample source

Commercially available Longdan Xiegan Pills (Water Pills)

### Chemical reference substances

Gentioicrin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110770-200308)

### Preparation of test solution

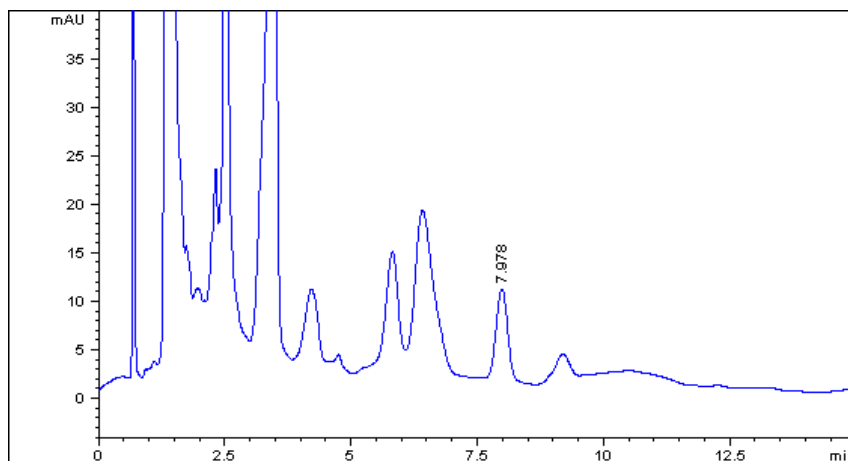
Grind a quantity of granules to a fine powder. Accurately weigh 1 g of the powder in a stoppered conical flask and accurately add 25 mL of methanol, and weigh. Treat ultrasonically for 45 minutes, allow to cool. Weigh again and replenish the lost weight with methanol, mix well and filter, use the filtrate as the test solution.

### Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 μm (883975-902)
- Column temperature: 40 °C
- Mobile phase: methanol-water (21:79)
- Detector wavelength: 270 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 diode-array 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>
Gentioicrin	4.319	7.978	9.41	150.0	5796	0.95