

Lidan Paishi Tablets (*Lidan Paishi Pian*) – 利胆排石片

Sample source

Commercially available Lidan Paishi tablets

Chemical reference substances

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

Preparation of test solution

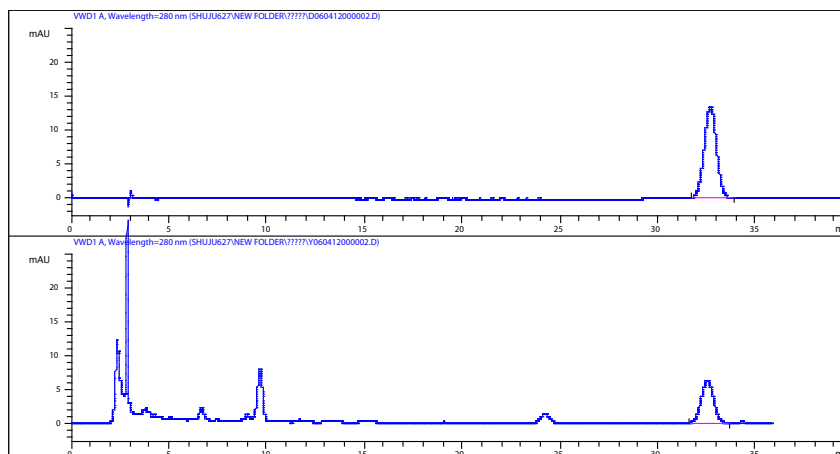
Accurately weigh 20 tablets, remove the coating and grind to a fine powder. Accurately weigh 0.5 g in a stoppered conical flask, accurately add 50 mL of 70 % ethanol and weigh. Treat ultrasonically for 30 minutes, allow to cool, weigh again and replenish the lost weight with 70 % ethanol, mix well and filter. Accurately measure 5 mL of the filtrate in a 25 mL volumetric flask, dilute with 70 % ethanol to volume, mix well and filter, use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX Eclipse Plus C18 4.6×250 mm, 5 µm (959990-902)
- Column temperature: 25 °C
- Mobile phase: methanol-0.5% phosphoric acid (40:60)
- 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	Ret Time (min)	Height (mAU)	Area (mAU*s)	n	Rs	USP T _r
Baicalin	32.529	6.34	278.6	12697	8.34	0.98