Qiju Dihuang Pills *(Qiju Dihuang Wan)* – 杞菊地黄丸

Sample source

Commercially available Qiju Dihuang Pills

Chemical reference substances

Loganin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 111640-200401)

Preparation of test solution

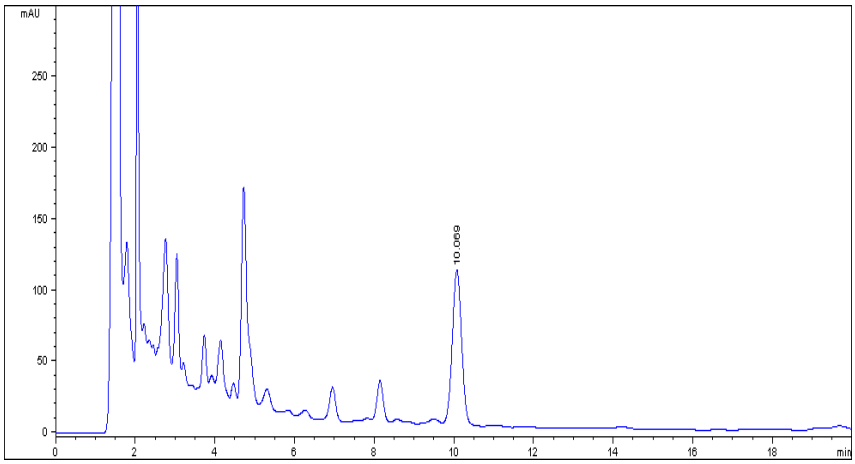
Grind the pills to a fine powde, accurately weigh 1 g in a stoppered conical flask, accurately add 25 mL of 50 % methanol, stopper tightly and weigh. Heat under reflux for 1 hour, allow to cool, weigh again, replenish the lost weight with 50 % methanol, shake well and filter. Accurately apply 10 mL of the filtrate to a neutral alumina column (100-200 mesh, 4 g, 1 cm in inner diameter), elute with 50 mL of 40 % methanol, collect the eluent, and evaporate to dryness. Dissolve the residue in 50 % methanol and accurately transfer to a 5 mL volumetric flask, dilute with 50 % methanol to volume, and shake well. Filter and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 25 °C
- Mobile phase: acetonitrile-methanol-0.1% phosphoric acid (10:5:85)
- Detector wavelength: 236 nm
- Flow rate: 1.0 mL/min
- Injection volume: 10 µL

Chromatographic system

- Agilent 1200 Series quaternary pump with vacuum degasser
- Agilent 1200 Series high-performance autosampler
- Agilent 1200 Series thermostatted 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$_f$
Loganin	7.391	10.069	108.23	1756.3	8991	1.01