

# Shuanghuanglian Tablets (*Shuanghuanglian Pian*) – 双黄连片

## Sample source

Commercially available Shuanghuanglian Tablets

## Chemical reference substances

Chlorogenic acid (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 0753-200212)

## Preparation of test solution

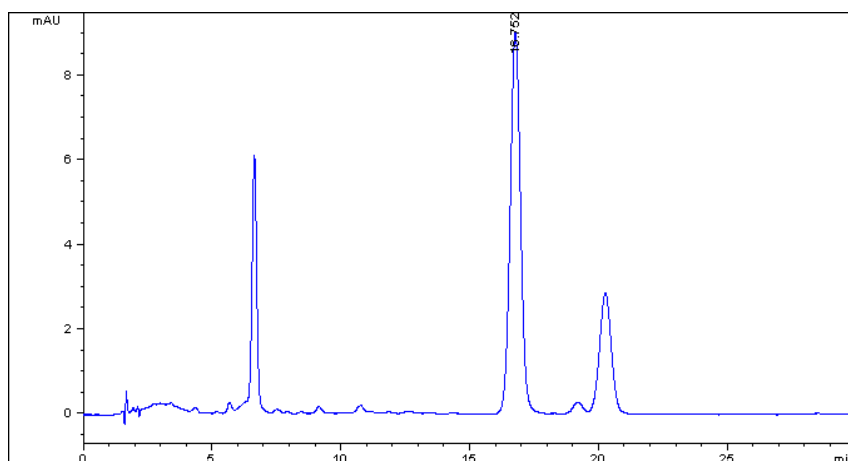
Grind the tablets to a fine powder, accurately weigh 0.2 g in a 50 mL volumetric flask, add a quantity of 50 % solution of methanol. Treat ultrasonicate for 20 minutes, allow to cool, dilute with 50 % methanol to volume, mix well and filter. Transfer accurately 2 mL of the filtrate to a 10 mL volumetric flask, add 50 % methanol to volume, 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: 30 °C
- Mobile phase: methanol-1.18 % glacial acetic acid (13:87)
- Detector wavelength: 324 nm
- Flow rate: 1.0 mL/min

## 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>
Chlorogenic acid	12.960	16.752	8.99	248.8	8720	1.03