

# Lingyang Qingfei Pills (*Lingyang Qingfei Wan*) – 羚羊清肺丸

## Sample source

Commercially available Lingyang Qingfei Pills

## Chemical reference substances

Chlorogenic acid (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110753-200212)

## Preparation of test solution

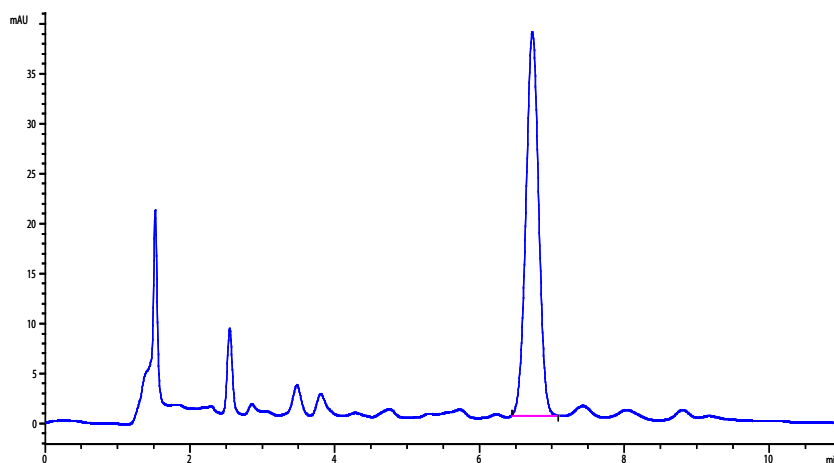
Grind the pills. Accurately weigh 0.4 g in a stoppered conical flask, accurately add 10 mL of 70 % methanol, stopper tightly and weigh. Treat ultrasonically for 40 minutes, allow to cool, weigh again and replenish the lost weight with 70 % methanol, mix well and filter through a millipore membrane (0.45  $\mu\text{m}$ ), use the filtrate as the test solution.

## Chromatographic conditions

- Column: ZORBAX SB C18 4.6 $\times$ 150 mm, 5  $\mu\text{m}$  (883975-902)
- Column temperature: 40  $^{\circ}\text{C}$
- Mobile phase: methanol-water-phosphoric acid (20:80:0.1)
- Detector wavelength: 327nm
- Flow rate: 1.0 mL/min
- Injection volume: 5  $\mu\text{L}$

## 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>
Chlorogenic acid	4.609	6.731	38.45	471.4	7189	0.99