

# Zhenkening Syrup (*Zhenkening Tangjiang*) – 镇咳宁糖浆

## Sample source

Commercially available Zhenkening Syrup

## Chemical reference substances

Ephedrin hydrochloride (National Institute for the Control of Pharmaceutical and Biological Products)

## Preparation of test solution

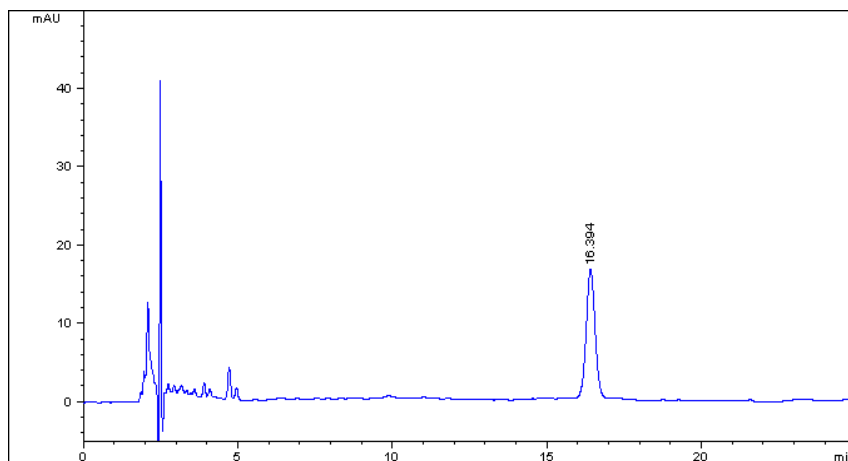
Accurately weigh 2.5 g of the syrup in a 25 mL volumetric flask, dilute with a 0.01 mol/L solution of hydrochloric acid to volume and mix well. Filter and use the filtrate as the test solution.

## Chromatographic conditions

- Column: Reprosil C18 Pur 4.0×250 mm, 5 µm
- Column temperature: 25 °C
- Mobile phase: acetonitrile-20 mmol/L potassium dihydrogen phosphate (pH 3.0) (5:95)
- Detector wavelength: 210 nm
- Flow rate: 1.0 mL/min
- Injection volume: 2 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	k'	Ret Time (min)	Height (mAU)	Area (mAU*s)	n	USP T <sub>r</sub>
Ephedrin	7.197	16.394	16.41	325.5	16183	1.03