

# Jianwei Xiaoshi Tablets (*Jianwei Xiaoshi Pian*) – 健胃消食片

## Sample source

Commercially available Jianwei Xiaoshi Tablets

## Chemical reference substances

Hesperidin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 0721-200211)

## Preparation of test solution

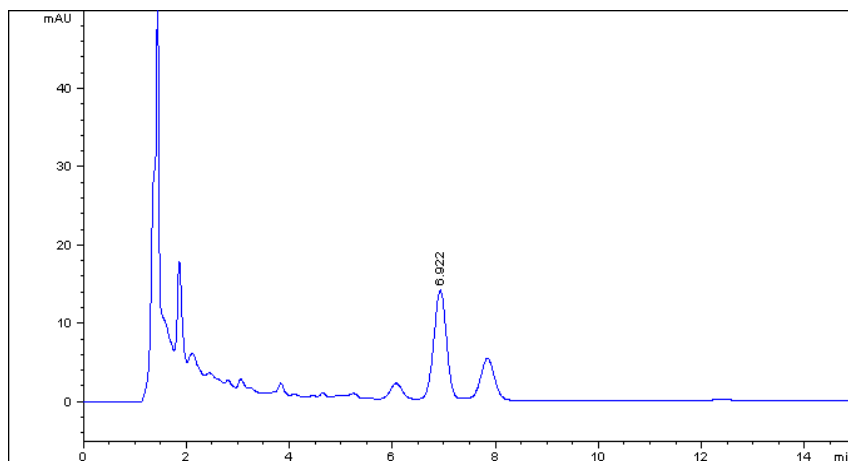
Grind 10 tablets to a fine powder. Accurately weigh 0.2 g of the powder, accurately add 20 mL of methanol, weigh, heat under reflux for 1 hour, allow to cool, weigh again, and replenish the lost weight with methanol, mix well and filter. Accurately measure 5 mL of the filtrate in a 10 mL volumetric flask and dilute with water to volume, mix well and filter, use the filtrate as test solution.

## Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 30 °C
- Mobile phase: methanol-0.5% glacial acetic acid (40:60)
- Detector wavelength: 283nm
- 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 diode-array detector
- System control through Agilent ChemStation revision B.01.01



Components	k'	Ret Time (min)	Height (mAU)	Area (mAU*s)	n	USP T
Hesperidin	3.615	6.922	13.86	234.5	3828	0.98