

Jianmin Yanhou Tablets (*Jianmin Yanhou Pian*) – 健民咽喉片

Sample source

Commercially available Jianmin Yanhou Tablets

Chemical reference substances

Gallic acid (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110831-9501)

Preparation of test solution

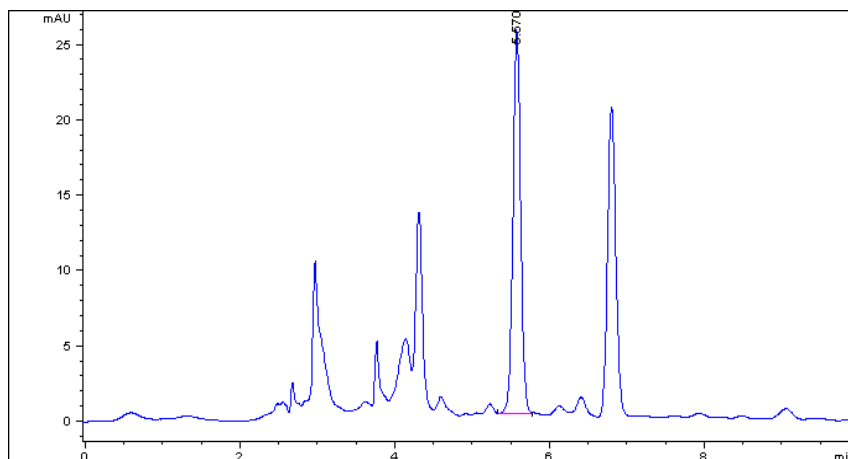
Accurately weigh 20 tablets, removed the coating, grind to a powder and mix thoroughly, accurately weigh 1.5 g of the powder in a stoppered conical flask, accurately add 50 mL of 50 % methanol, stopper tightly and weigh, treat ultrasonically for 30 minutes, allow to cool, weigh again, replenish the lost weight with 50 % methanol and mix thoroughly. Filter, and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB-aq C18, 4.6×250 mm, 5 μm (880975-914)
- Column temperature: 35 °C
- Mobile phase: acetonitrile-(0.1% triethylamine + 0.1% phosphoric acid (7:93))
- Detector wavelength: 273 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 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 _r
Gallic acid	1.228	5.570	25.50	177.5	15491	1.03