

Chenxiang Huaqi Pills (*Chenxiang Huaqi Wan*) – 沉香化气丸

Sample source

Commercially available Chenxiang Huaqi Pills

Chemical reference substances

Hesperidin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110721-200211)

Preparation of test solution

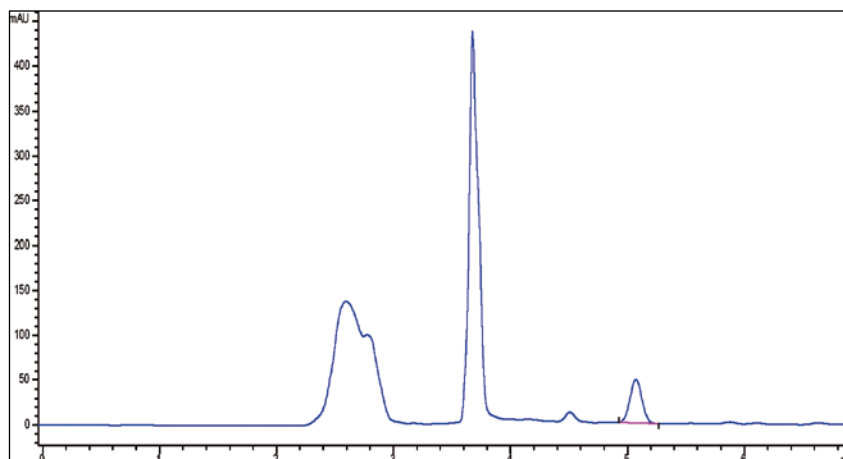
Grind a quantity of the pills to a fine powder and mix well. Accurately weigh 0.5 g of the powder in a Soxhlet extractor, add a quantity of methanol, heat under reflux for 3 hours. Transfer the extracts to a 50 mL volumetric flask, wash the container with a quantity of methanol several times, combine the washings with the extracts in the same flask, dilute with methanol to volume, and mix well. Filter and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×250 mm, 5 µm (880975-902)
- Column temperature: 25 °C
- Mobile phase: acetonitrile-0.1 % phosphoric acid (28:72)
- Detector wavelength: 283 nm
- Flow rate: 0.8 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 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
Hesperidin	0.624	5.073	48.14	343.6	11929	0.98