

Ertong Qingfei Pills (*Ertong Qingfei Wan*) – 儿童清肺丸

Sample source

Commercially available Ertong Qingfei Pills

Chemical reference substances

baicalin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110715-200212)

Preparation of test solution

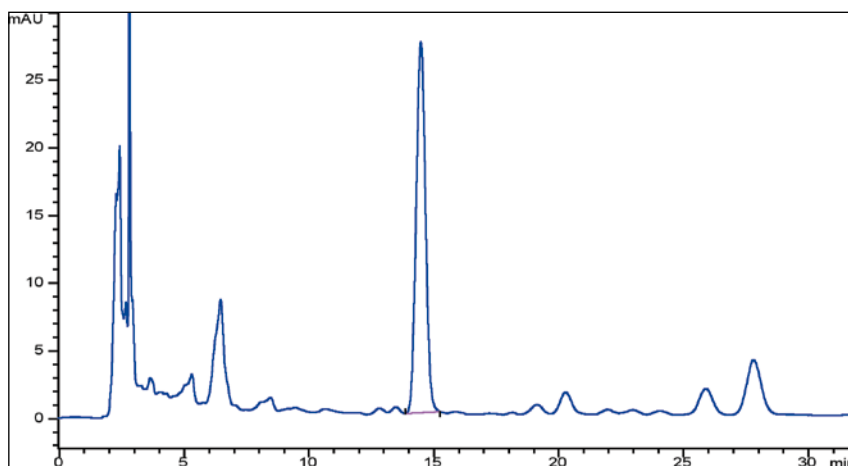
Cut a quantity of the pills into pieces, accurately weigh 1 g of the pieces, grind well with 0.5 g of kieselguhr and mix well. Put in a conical flask, add 40 ml of 70 % ethanol, heat under reflux on a water bath for 2 hours, allow to cool, filter, transfer the filtrate to a 100 ml volumetric flask, wash the container and residue with a small quantity of 70 % ethanol in portions, combine the washings in the same volumetric flask, dilute with 70 % ethanol to volume and shake well. Filter through a millipore membrane (0.45 μm), use the filtrate as test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6 \times 250 mm, 5 μm (880975-902)
- Column temperature: 25 $^{\circ}\text{C}$
- Mobile phase: methanol-0.36 % phosphoric acid (46:54)
- Detector wavelength: 280 nm
- Flow rate: 1.0 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
Baicalin	4.791	14.477	27.42	713.0	7138	1.04