

# Zaizao Shengxue Tablets (*Zaizao Shengxue Pian*) – 再造生血片

## Sample source

Commercially available Zaizao Shengxue Tablets

## Chemical reference substances

1. Psoralen, 2. Isopsoralen (National Institute for the Control of Pharmaceutical and Biological Products, Batch number: 1. 110739-200309, 2. 110738-200309)

## Preparation of test solution

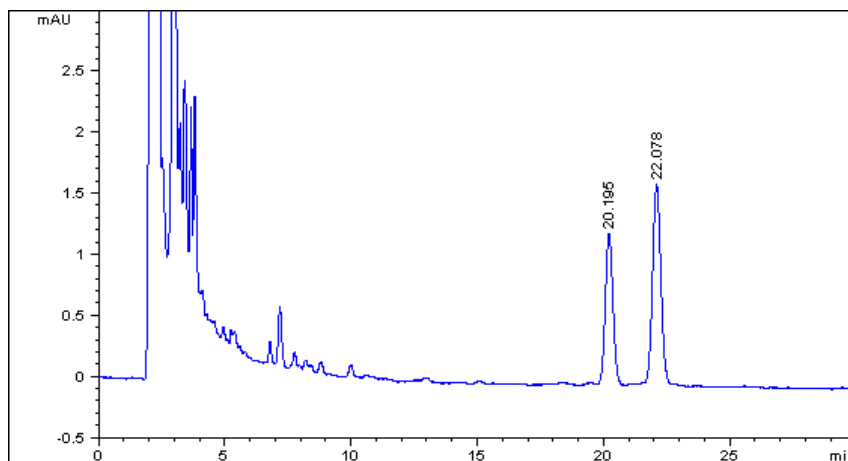
Remove the coatings from 20 tablets grind to a fine powder. Accurately weigh about 1 g of the powder in a stoppered conical flask. Accurately add 25 mL of methanol, stopper tightly and weigh accurately. Treat ultrasonically for 30 minutes, allowed to cool, weigh again, replenish the lost weight with methanol, mix well and filter. Accurately measure 1 mL of the filtrate in a 10 mL volumetric flask, add methanol to volume, mix well and 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-0.125 % phosphoric acid (30:70)
- Detector wavelength: 247 nm
- 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 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>
Psoralen	7.078	20.195	1.24	26.0	21369	1.05
Isopsoralen	7.831	22.078	1.64	38.2	21513	1.05