

Dahurian Angelica Root (*Radix Angelicae Dahuricae*) – 白芷

Sample source

Commercially available Dahurian Angelica Root

Chemical reference substances

Imperatorin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110826-200307)

Preparation of test solution

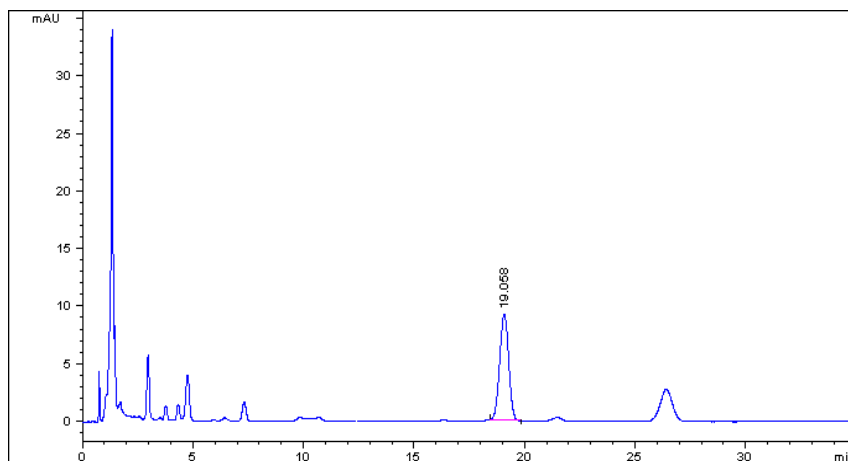
Accurately weigh 0.2 g of the powder in a 25 mL volumetric flask, add 45 mL of methanol, treat ultrasonically for 60 minutes, allow to cool and dilute with methanol to volume, and mix well.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 35 °C
- Mobile phase: methanol-water (55:45)
- Detector wavelength: 300 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 _r
Imperatorin	14.88	19.058	9.22	263.2	10316	0.99