

Aloes (*Aloe*) – 芦荟

Sample source

Commercially available Aloes

Chemical reference substances

barbaloin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 0787-200303)

Preparation of test solution

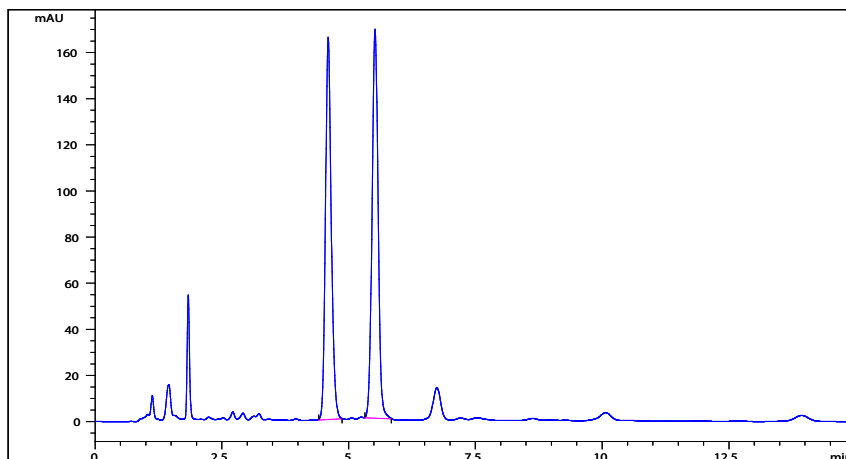
Accurately weigh 0.025 g of the powder in a 25 mL volumetric flask, add a quantity of methanol, treat ultrasonically for 30 minutes, allow to cool, add methanol to volume, mix well, filter, use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 35 °C
- Mobile phase: acetonitrile-water (25:75)
- Detector wavelength: 355 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
Barbaloin	3.602	5.522	168.67	1406.2	10610	1.03