

# Cassia Bark (*Cortex Cinnamomi*) – 肉桂

## Sample source

Commercially available Cassia Bark

## Chemical reference substances

Cinnamic aldehyde (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110710-200212)

## Preparation of test solution

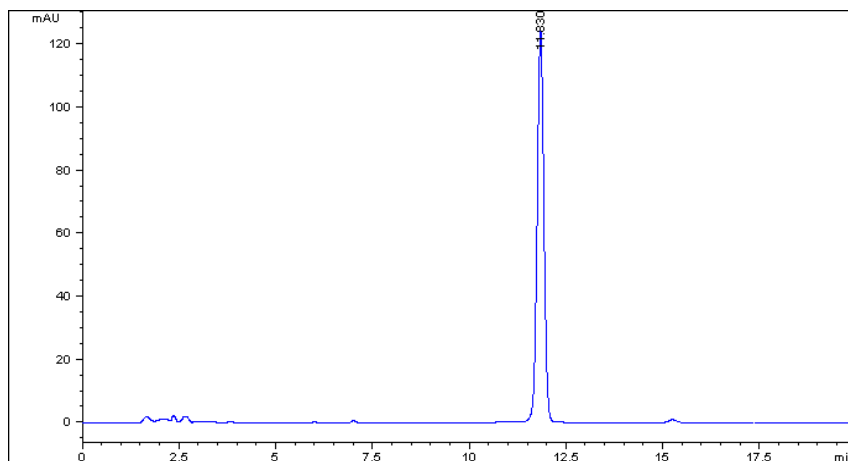
Accurately weigh 0.5 g of the powder in a stoppered conical flask, accurately add 25 mL of methanol and weigh. Treat ultrasonically for 10 minutes, allow to stand overnight, treat ultrasonically for 10 minutes, weigh again, replenish the lost weight with methanol, mix well and filter. Accurately measure 1 mL of the filtrate in a 25 mL volumetric flask, add methanol to volume, and mix well.

## Chromatographic conditions

- Column: ZORBAX XDB C18 4.6×250 mm, 5 μm (990967-902)
- Column temperature: 25 °C
- Mobile phase: acetonitrile-water (38:72)
- Detector wavelength: 290 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>
Cinnamic aldehyde	3.732	11.83	124.2	1497.9	23198	1.00