

# Maiwei Dihuang Pills (*Maiwei Dihuang Wan*) – 麦味地黄丸

## Sample source

Commercially available Maiwei Dihuang Pills

## Chemical reference substances

Paeonol (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 0708-9704)

## Preparation of test solution

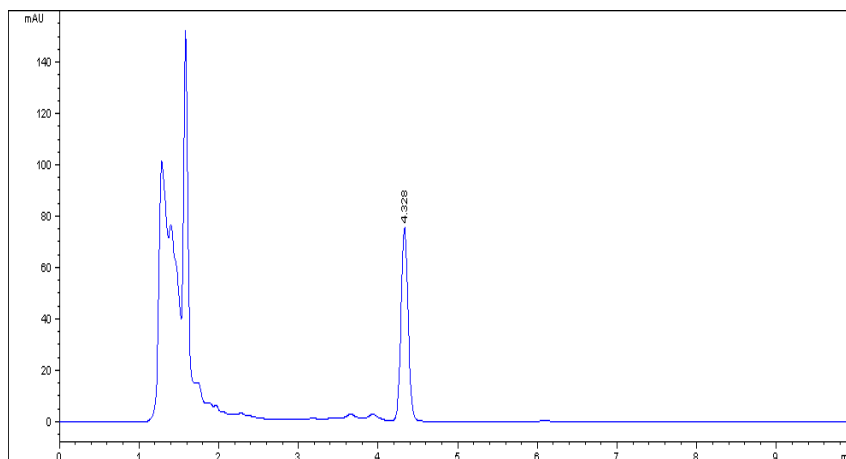
Grind the pills to a fine powder and mix well. Accurately weigh 0.5 g of the powder in a stoppered conical flask, accurately add 50 mL of 50 % methanol, stopper tightly, and weigh. Treat ultrasonically for 45 minutes, allow to cool. Weigh again and replenish the lost weight with 50 % methanol, mix well and filter. Use the filtrate as the test solution.

## Chromatographic conditions

- Column: ZORBAX XDB C8 4.6×150 mm, 5 µm (993967-902)
- Column temperature: 25 °C
- Mobile phase: methanol-water (62:38)
- Detector wavelength: 274 nm
- Flow rate: 1.0 mL/min
- Injection volume: 10 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 |
|------------|-------|----------------|--------------|--------------|-------|-------|
| Paeonol    | 1.885 | 4.328          | 75.26        | 464.1        | 11584 | 1.05  |