

Bovine Bezoar (*Calculus Bovis*) – 八珍益母丸

Sample source

Commercially available Japanese
Ardisia Herbs

Chemical reference substances

Bilirubin (National Institute for the
Control of Pharmaceutical and Bi-
ological Products, Batch number:
100077-200402)

Preparation of test solution

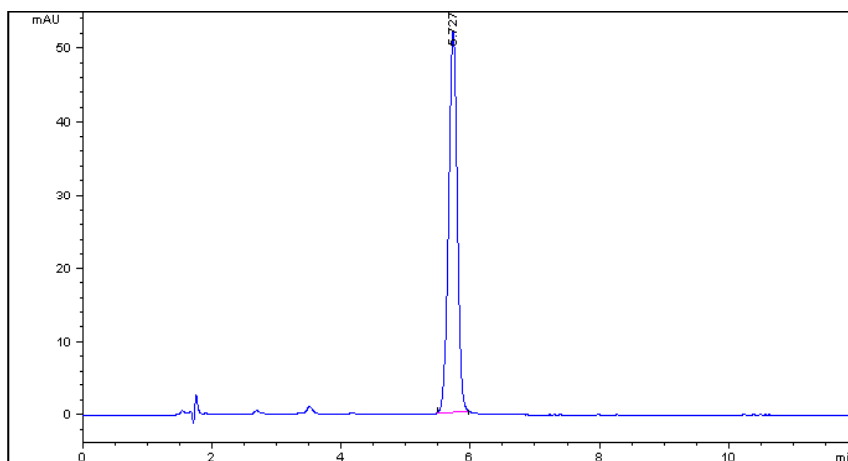
Accurately weigh 5 mg of the
powder in a 25 mL amber volumet-
ric flask. Add 20 mL of a mixture
of chloroform and glacial acetic
acid (4:1), treat ultrasonically for
10 minutes, dilute with the mixture
to volume and mix well. Filter
through a millipore membrane
(0.45 µm) and use the filtrate as
the test solution. Stored in a dark
place and protect from light.

Chromatographic conditions

- Column: ZORBAX SB C18
4.6×150 mm, 5 µm (883975-902)
- Column temperature: 35 °C
- Mobile phase: methanol-ace-
tonitrile-2% glacial acetic acid
(72:25:3)
- Detector wavelength: 452 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-perfor-
mance autosampler
- Agilent 1200 Series thermosta-
ted 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 _f
Bilirubin	3.773	5.727	51.99	488.8	8765	0.97