Creeping Euphorbia *(Herba Euphorbiae Humifusae)* – 地锦草

Sample source

Commercially available Creeping Euphorbia

Chemical reference substances

Quercetin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 0081-9905)

Preparation of test solution

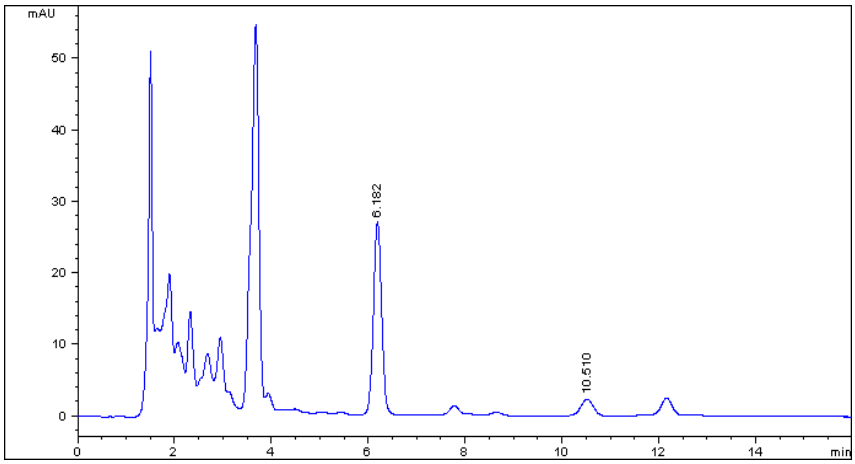
Accurately weigh 1.5 g of the powder in a stoppered conical flask. Accurately add 50 mL of 80 % methanol and weigh. Heat under reflux for 1.5 hours, cool, weigh again, replenish the lost weight with 80 % methanol, mix well and filter. Accurately measure 20 mL of the filtrate and accurately add 7 mL of 25 % hydrochloric acid to the filtrate. Heat on a water bath at 85 °C for 30 minutes and cool immediately. Transfer to a 50 mL volumetric flask, dilute with methanol to volume and mix well, filter, and use the successive filtrate as test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×150 mm, 5 µm (883975-902)
- Column temperature: 30 °C
- Mobile phase: methanol-0.4 % phosphoric acid (50:50)
- Detector wavelength: 360 nm
- Flow rate: 1.0 mL/min

Chromatographic system

- Agilent 1200 Series quaternary pump with vacuum degasser
- Agilent 1200 Series high-performance autosampler
- Agilent 1200 Series thermostatted 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
Quercetin	3.121	6.182	26.96	317.6	6565	1.02