Mulberry Leaf *(Folium Mori)* – 桑叶

Sample source

Commercially available Mulberry Leaf

Chemical reference substances

Rutin (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 100080-200306)

Preparation of test solution

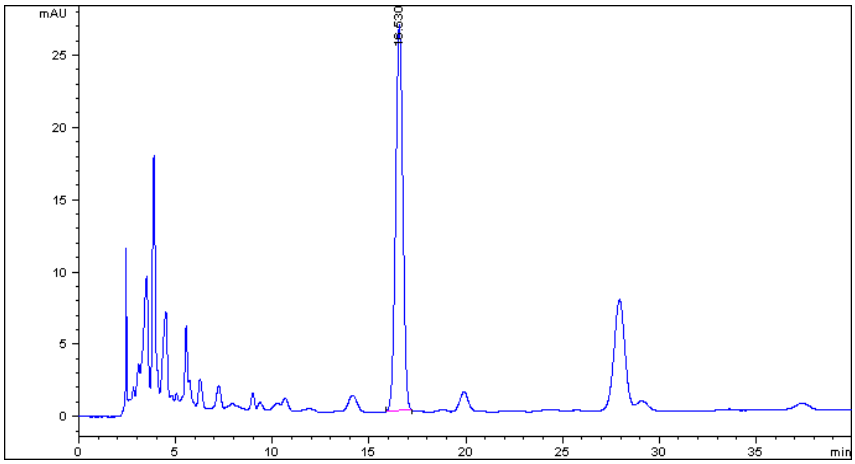
Accurately weigh 1 g of the fine powder in a round-bottom flask, add 50 mL of methanol, heat under reflux for 30 minutes, filter, extract the residue with two 50 ml quantities of methanol and combine the filtrates. Evaporate the solvent in vacuum, dissolve the residue in methanol and transfer to a 25 mL volumetric flask, dilute to volume, and mix well. Filter with a millipore membrane (0.45 µm) and use the filtrate as the test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6×250 mm, 5 µm (880975-902)
- Column temperature: 25 °C
- Mobile phase: methanol-0.5% phosphoric acid (38:62)
- Detector wavelength: 358 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 thermostatted column compartment
- Agilent 1200 Series diode-array detector
- System control through Agilent ChemStation revision B.01.01



Components	k'	Ret Time (min)	Height (mAU)	Area (mAU*s)	n	USP T_f
Rutin	5.612	16.53	26.73	694.0	9461	0.99