Test Method of Lotus Leaf P.E

1、 Instruments and reagents

Instrument: ultraviolet visible spectrophotometer.

Reagent: lotus leaf base control, methanol.

2、 Solution preparation

Preparation of standard solution: accurately weigh an appropriate amount of lotus leaf alkali control sample, add methanol to make a solution containing about 0.01mg per 1ml as the control sample.

Sample solution preparation accurately weigh about 60mg of lotus leaf extract sample, place it in a 25ml volumetric flask, add about 20ml of methanol, dissolve it by ultrasonic vibration for 30min, cool it to normal temperature, the constant volume of methanol is 25ml, filter and shake well. Accurately suck 1ml of filtrate, put it into a 25ml volumetric flask, and fix the volume to the scale with methanol to obtain the sample solution.

3、 Sample determination

Take the reference solution and sample solution respectively, take methanol as the blank, measure the absorbance at the wavelength of 270nm by UV-vis spectrophotometry, and calculate.

4、 Result calculation

Substitute the measured value into the following formula to calculate the content.

Calculation formula: $T\% = at / as \times Cs \times D/Wt \times d\%$

Formula Description:

At: Absorbance of test article;

As: absorbance of reference substance;

Cs: the concentration of the reference solution;

D: The dilution factor of the test product;

Wt: the weighing of the test product;

d%: Standard content.

Address: D-1205, Haibo plaza, 9th Fengcheng, Xi'an,
Shaanxi Province, China
Tel: 0086-029-86680917
Web: www.sxgreenfine.com