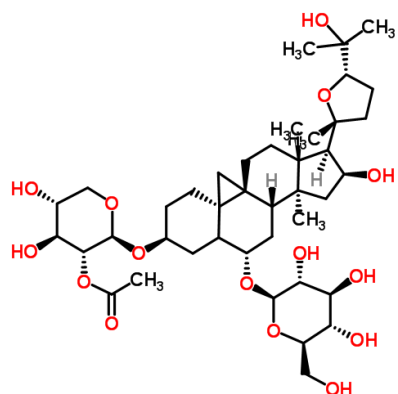


## Certificate of Analysis

<b>Product Name</b>	Astragaloside II/ 黄芪皂苷 II	
<b>Catalog Number</b>	10037	
<b>Lot Number</b>	100371	

<b>Chemical Name</b>	<b>Astragaloside II</b>
<b>Chemical Formula</b>	<b>C<sub>41</sub>H<sub>66</sub>O<sub>15</sub></b>
<b>Chemical Family</b>	<b>Saponin</b>
<b>Molecular Weight</b>	<b>798.95</b>
<b>CAS Number</b>	<b>84676-89-1</b>
<b>Appearance (Color)</b>	<b>White</b>
<b>Appearance (Form)</b>	<b>Powder</b>

### Analytical Test

Test	Result
Identity by LC/MS Analysis	Consistent with structure
Purity by HPLC/DAD Analysis	≥ 98.0%

### Storage Conditions:

<b>Storage:</b>	<b>Refer to label</b>
<b>Before use:</b>	<b>Keep container tightly closed</b>

*TLCM certifies that this standard meets the specifications stated in this certificate and warrants this product to meet the stated criteria. Warranty does not apply after opening.*

Date of Certificate: 11/06/2013

## Product Analysis Report

### Analytical Test

Test	Results
Identity by LC/MS Analysis	Consistent with structure
Purity by HPLC/DAD Analysis	≥ 98.0%

### Spectral and Physical Data

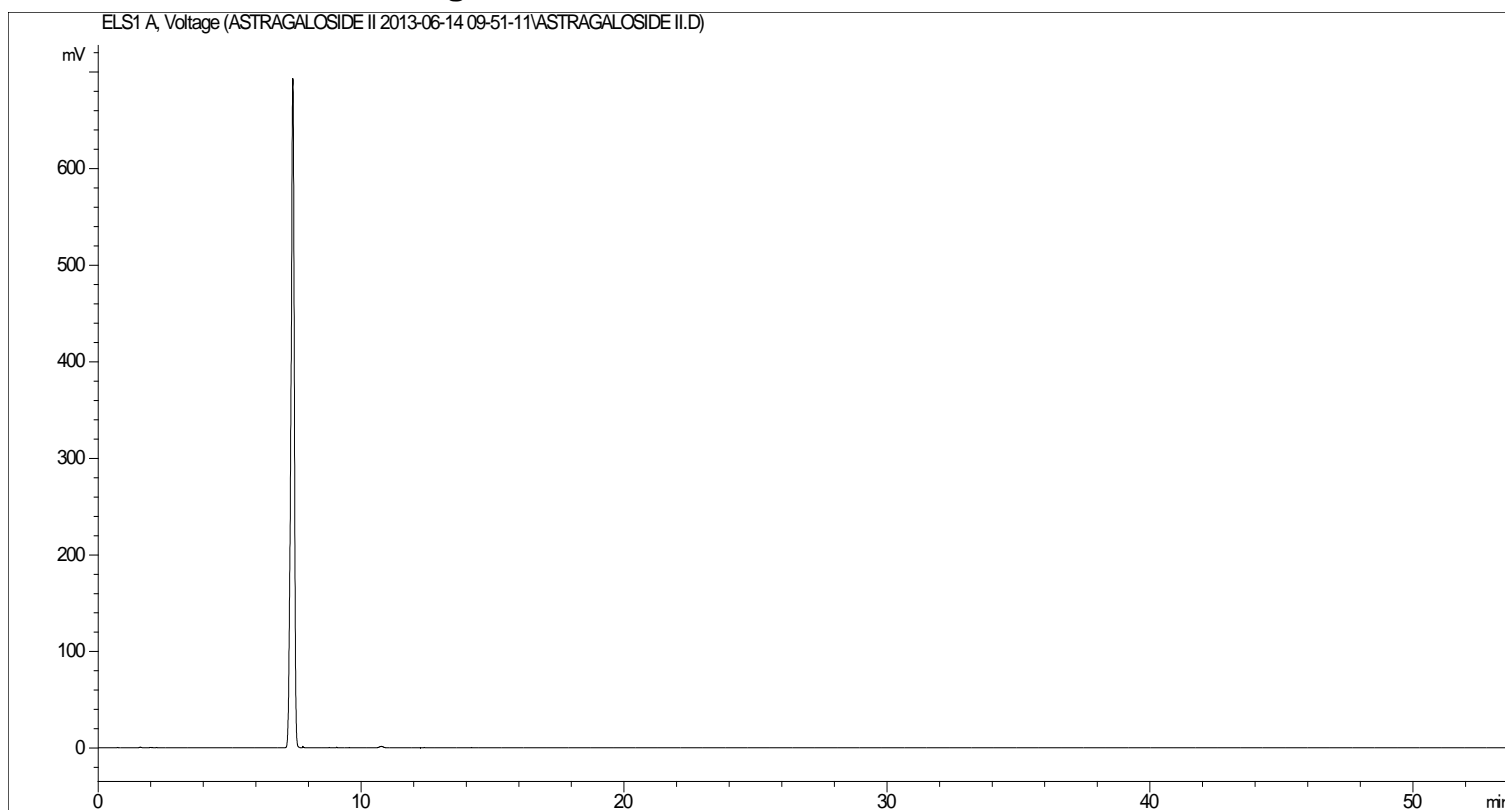
#### HPLC

HPLC system : Agilent Technologies 1200 Series  
Column : Inertsil ODS-4 column, 4.6 x 250 mm, 5 μm  
Injection volume : 10 μl  
Detector : ELSD  
Tube temperature : 102 °C  
N<sub>2</sub> Gas : 3.5 bar  
Mobile phase flow rate : 0.8 mL/min  
Mobile phase :

Time (min)	% H <sub>2</sub> O	% ACN	Flow rate (mL/min)
0 → 60	60	40	0.8

Date File Name : A1-D:\Chem32\2\purity test\data  
Operator : DUAN Ran  
Sample Lot Number : 100371  
Method File : D:\Chem32\2\method\ASTRAGALOSIDE II  
Acquired : 2013-06-11

I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
Astragaloside II	7.41	690.9	100