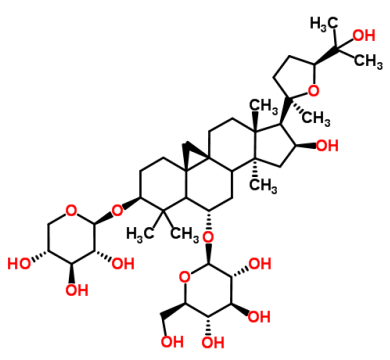


Certificate of Analysis

Product Name	Astragaloside IV/ 黄芪甲苷	
Catalog Number	10002	
Lot Number	100024	

Chemical Name	Astragaloside IV
Chemical Formula	C ₄₁ H ₆₈ O ₁₄
Chemical Family	Saponins
Molecular Weight	784.97
CAS Number	84687-43-4
Appearance (Color)	White
Appearance (Form)	Powder

Analytical Test

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

Storage Conditions:

Storage:	Refer to label
Before use:	Keep container tightly closed

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: 24/10/2014

Product Analysis Report

Analytical Test

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

Spectral and Physical Data

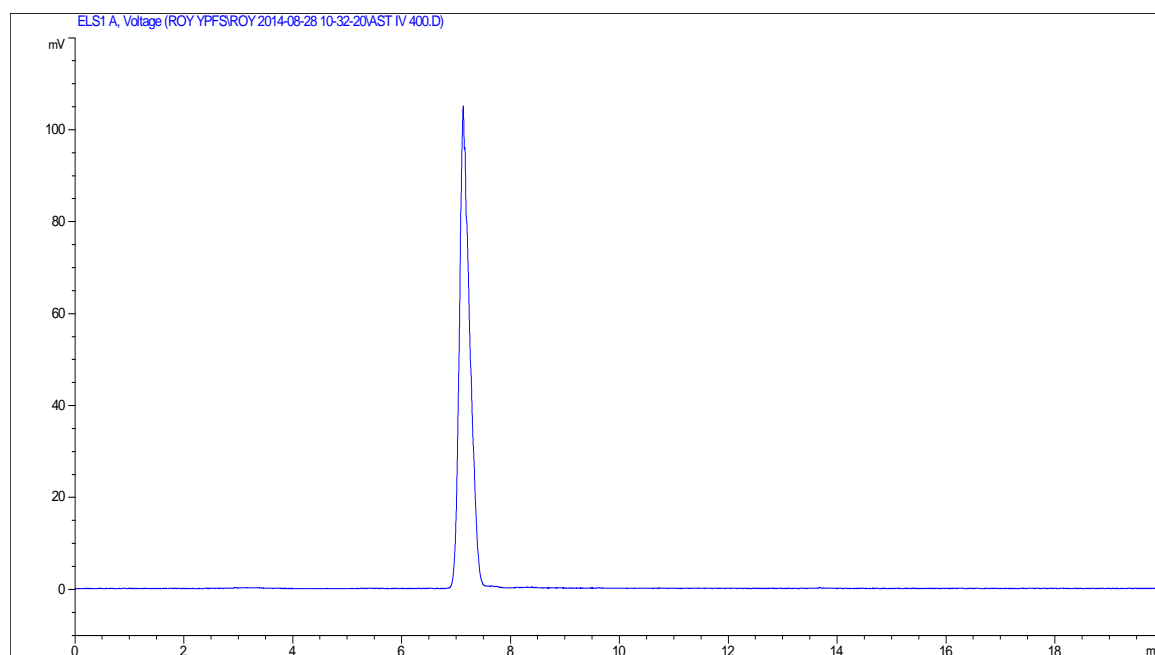
HPLC

HPLC system : Agilent Technologies 1200 Series
Column : Phenomenex Luna, C18, 4.6 x 250 mm, 5 μm or equivalent
Injection volume : 10 μl
Detector : ELSD
Tube temperature : 60°C
N2 Gas : 3.5 bar
Flow rate : 1.0 mL/min
Mobile phase :

Time (min)	% H ₂ O	% ACN	Flow rate (mL/min)
0 → 45	60	40	1.0

Date File Name : A1-D:\CHEM32\1\DATA\ROY YPFS\ROY 2014-08-28
10-32-20\AST IV 400.D
Operator : DUAN Ran
Sample Lot Number : 100024
Method File : HQ.D
Acquired : 28/08/2014

I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
Astragaloside IV	7.133	1385.5	100