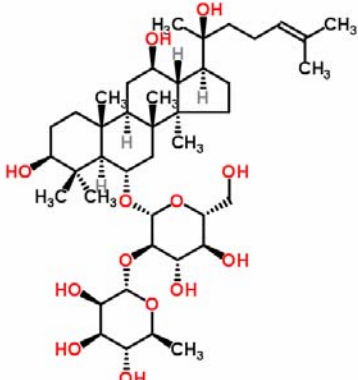


Certificate of Analysis

Product Name	Ginsenoside Rg ₂ / 人參皂昔 Rg ₂	
Catalog Number	10014	
Lot Number	100141	

Chemical Name	Ginsenoside Rg ₂
Chemical Formula	C ₄₂ H ₇₂ O ₁₃
Chemical Family	Saponins
Molecular Weight	785.01
CAS Number	78214-33-2
Appearance (Color)	White
Appearance (Form)	Powder

Analytical Test

Test	Result
Identity by LC/MS Analysis	Consistent with structure
Purity by HPLC/DAD 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: 01/02/2013

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

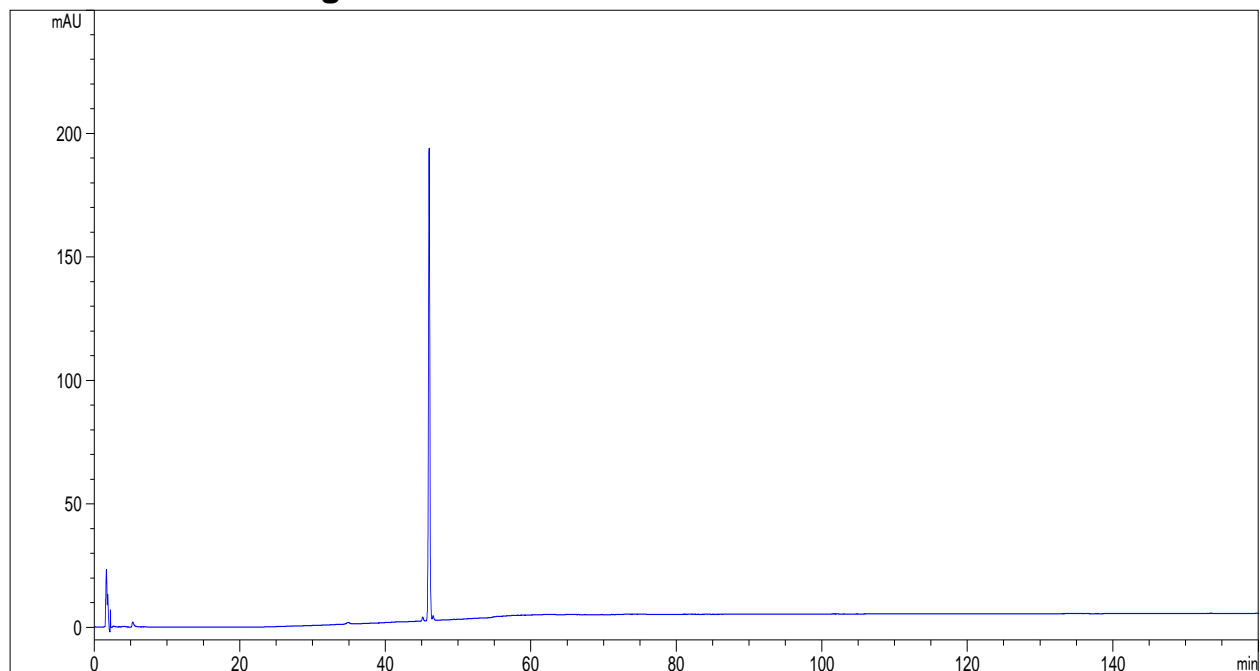
HPLC

HPLC system : Agilent Technologies 1200 Series
Column : Phenomenex Luna, C18, 4.6 x 250 mm, 5 μm or equivalent
Injection volume : 20 μl
Detector : DAD
Detector wavelength : 203 nm
Flow rate : 1.6 mL/min
Mobile phase :

Time (min)	% H ₂ O	% ACN	Flow rate (mL/min)
0 → 20	80	20	1.6
20 → 60	80 → 60	20 → 40	1.6
60 → 150	60	40	1.6

Date File Name : D:\JP CHEN\data\PURITY TEST
Operator : DUAN Ran
Sample Lot Number : 100141
Method File : Rg2-TEST
Acquired : 18/01/2013

I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
Gesenoside Rg₂	46.032	2491.6	98.148