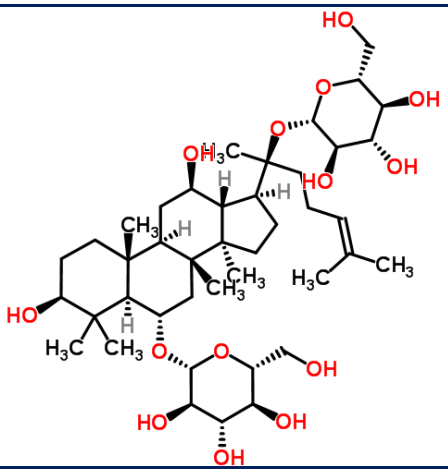
Testing Laboratory
for Chinese Medicine TLCM

Certificate of Analysis

Product Name	Ginsenoside Rg_1/ 人參皂苷 Rg_1	
Catalog Number	10013	
Lot Number	100131	

Chemical Name	**Ginsenoside Rg_1**
Chemical Formula	**$C_{42}H_{72}O_{14}$**
Chemical Family	**Saponins**
Molecular Weight	**801.01**
CAS Number	**22427-39-0**
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: 23/01/2013

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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

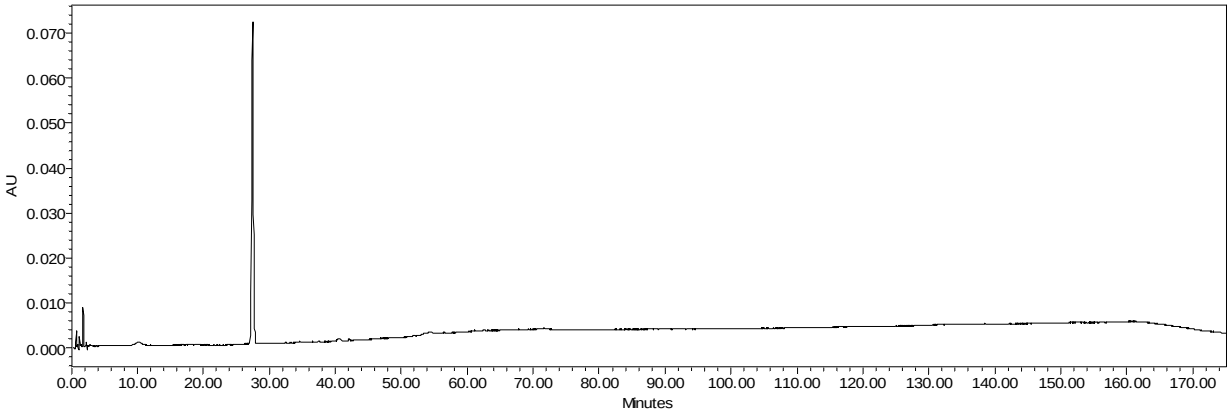
HPLC

HPLC system : Waters 2695
Column : Inertsil, C18, 4.6 x 250 mm, 5 μm or equivalent
Injection volume : 10 μl
Detector : PDA
Detector wavelength : 203 nm
Flow rate : 1.6 mL/min
Mobile phase :

Time (min)	% H_2O	% ACN	Flow rate (mL/min)
0→20	80	20	1.6
20→60	80→58	20→42	1.6
60→175	58	42	1.6

Date File Name : W1-Browse
Project-DUAN_MARKER-Injections-Ginsenoside Rg1
Operator : DUAN Ran
Sample Lot Number : 100131
Method File : W1-Browse
Project-DUAN_MARKER-Method-Ginsenoside Rg1
Acquired : 18/11/2012

I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
Ginsenoside Rg_1	27.449	1439316	98.24