Testing Laboratory

for Chinese Medicine **TLCM**

Certificate of Analysis

Product Name	Ginsenoside Rb ₁ / 人參皂苷 Rb ₁	но он
Catalog Number	10007	HO CH HO CH HO
Lot Number	100078	HO H

Chemical Name Ginsenoside Rb₁

Chemical Formula C₅₄H₉₂O₂₃
Chemical Family Saponins
Molecular Weight 1109.29
CAS Number 41753-43-9

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 dose not apply after opening.

Date of Certificate: 02/12/2013

TLCM Room 6145, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong

www.hktlcm.com Email:stds@ust.hk Tel: 2358-7338 Fax: 2358-2551

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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 μ m or

equivalent

Mobile phase :

Time (min)	% H₂O	% 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 : A3-C:\CHEM32\1\DATA\ROY'S QC REPORT\QC

2013-11-29 10-31-41\RB1 20.D

Operator : DUAN Ran
Sample Lot Number : 100078
Method File : RB1

Acquired : 02/12/2013

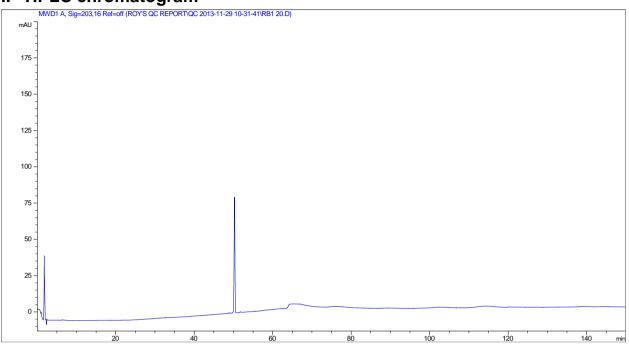
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I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
Ginsenoside Rb₁	50.27	1160.2	100.000

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