

## Certificate of Analysis

Product Name	$\alpha$ -Asarone/ $\alpha$ -細辛醚	
Catalog Number	11004	
Lot Number	110041	

Chemical Name	$\alpha$ -Asarone
Chemical Formula	$C_{12}H_{16}O_3$
Chemical Family	Terpenoids
Molecular Weight	208.254
CAS Number	2883-98-9
Appearance (Color)	White
Appearance (Form)	Powder

### Analytical Test

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

### 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: 31/10/2013

## 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

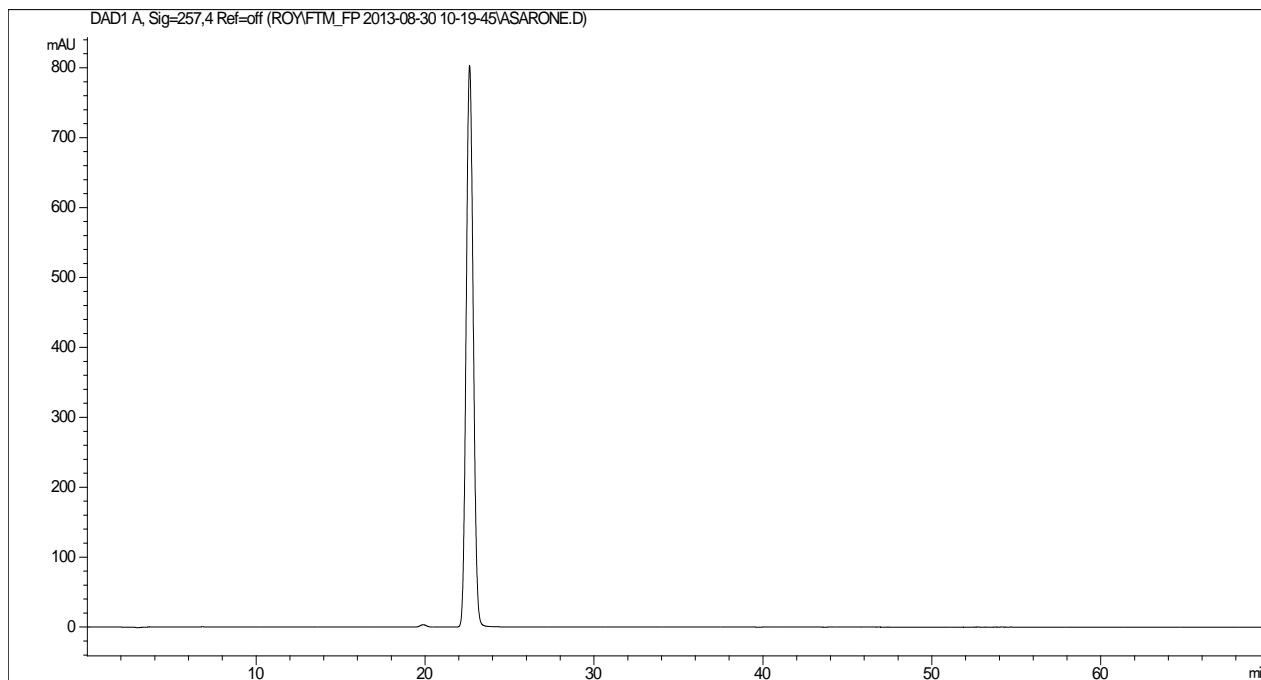
#### HPLC

HPLC system : Agilent Technologies 1200 Series  
Column : Inertsil ODS-4 column, 4.6 x 250 mm, 5 μm  
Injection volume : 10 μl  
Detector : DAD  
Detector wavelength : 257 nm  
Flow rate : 1.0 mL/min  
Mobile phase :

Time (min)	% H <sub>2</sub> O	% ACN	Flow rate (mL/min)
0 → 70	55	45	1.0

Date File Name : A3-C:\CHEM32\1\DATA\ROY\FTM\_FP 2013-08-30  
10-19-45\ASARONE.D  
Operator : DUAN Ran  
Sample Lot Number : 110041  
Method File : ASARONE.M  
Acquired : 30/08/2013

### I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
$\alpha$ -Asarone	22.636	23127.6	99.644