

Certificate of Analysis

Product Name	Germacrone/吉馬酮	
Catalog Number	11017	
Lot Number	110171	

Chemical Name	Germacrone
Chemical Formula	C₁₅H₂₂O
Chemical Family	Terpenoids
Molecular Weight	218.33
CAS Number	6902-91-6
Appearance (Color)	White
Appearance (Form)	Crystal

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: 23/01/2013

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

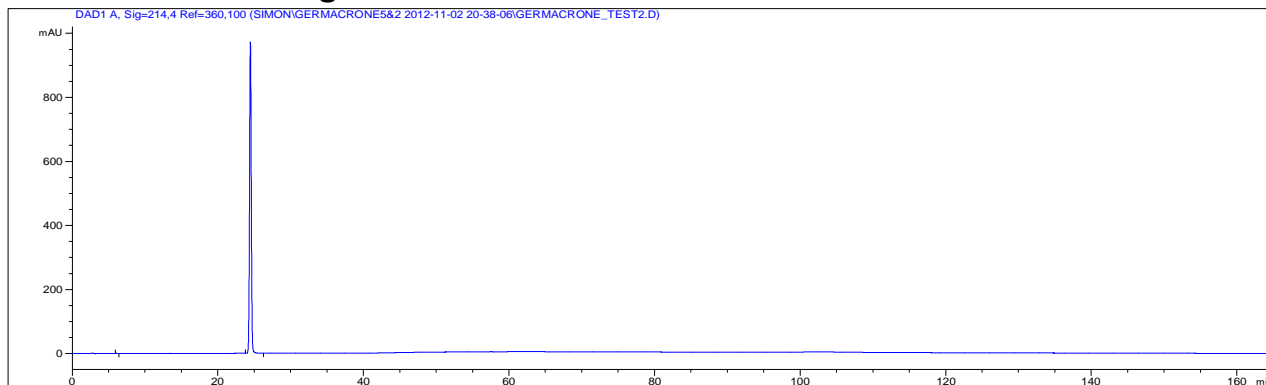
HPLC

HPLC system : Agilent Technologies 1260 Series
Column : Waters Symmetry, C18, 4.6 x 250 mm, 5 μm or equivalent
Injection volume : 10 μl
Detector : DAD
Detector wavelength : 214nm
Flow rate : 1.0 mL/min
Mobile phase :

Time (min)	% H ₂ O	% ACN	Flow rate (mL/min)
0→3	55	45	1.0
3→30	55→35	45→65	1.0
30→38	35	65	1.0
38→45	35→10	65→90	1.0
45→55	10→0	90→100	1.0

Date File Name : A5-C:\Chem32\1\DATA\simon\GERMACRONE5&2
2012-11-02 20-38-06
Operator : DUAN Ran
Sample Lot Number : 110171
Method File : A5-C:\Chem32\1\METHODS\SIMON\GERMACRONE
-3-TIMES.M
Acquired : 6/11/2012

I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
Germacrone	24.482	15873.2	99.934