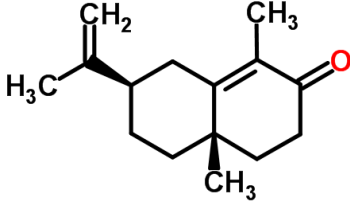


Certificate of Analysis

Product Name	α -Cyperone / α -香附酮	
Catalog Number	11059	
Lot Number	110594	

Chemical Name	α -Cyperone
Chemical Formula	C ₁₅ H ₂₂ O
Chemical Family	Terpenoids
Molecular Weight	218.33
CAS Number	473-08-5
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: 12/05/2014

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

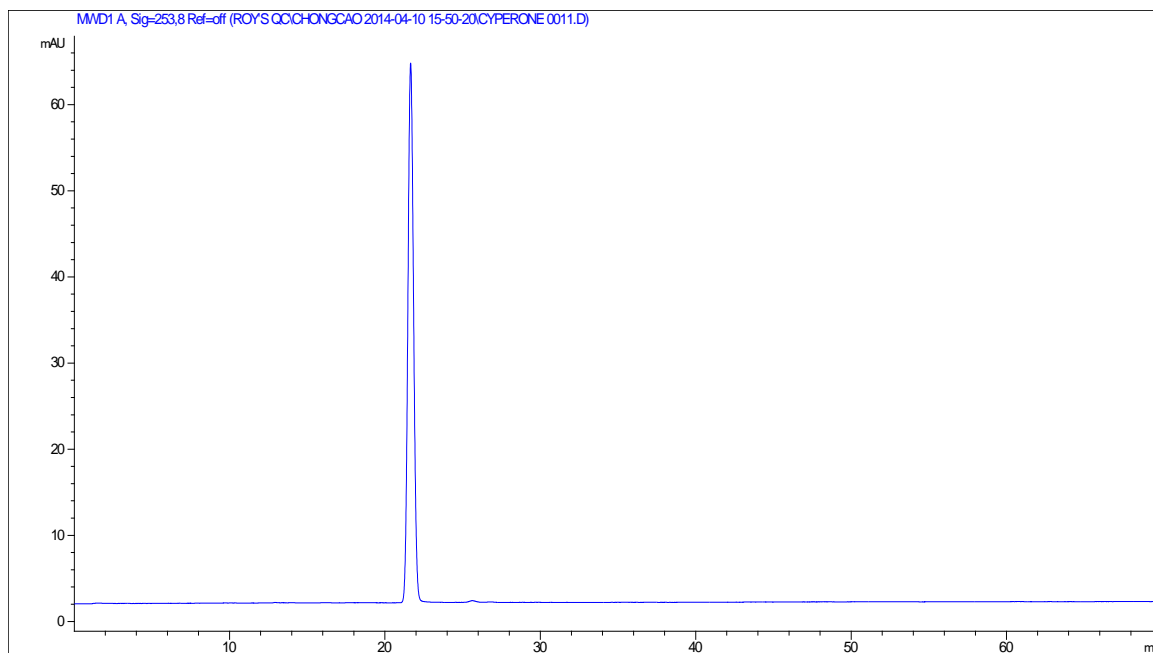
HPLC

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 : 253 nm
Flow rate : 1.0 mL/min
Mobile phase :

Time (min)	% Water	% ACN	Flow rate (mL/min)
0 → 70	60	40	1.0

Date File Name : A3-D:\CHEM32\1\DATA\ROY'S QC\CHONGCAO
2014-04-10 15-50-20\CYPERONE 0011.D
Operator : DUAN Ran
Sample Lot Number : 110594
Method File : CYPERONE.M
Acquired : 10/04/2014

I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
α -Cyperone	21.651	1583.1	99.557