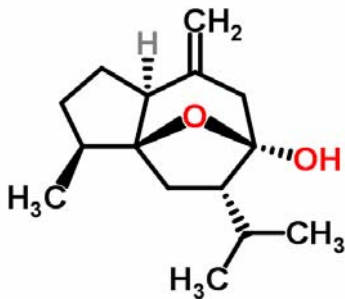


## Certificate of Analysis

Product Name	Curcumol / 莪朮醇	
Catalog Number	11009	
Lot Number	110091	

Chemical Name	Curcumol
Chemical Formula	C <sub>15</sub> H <sub>24</sub> O <sub>2</sub>
Chemical Family	Terpenoids
Molecular Weight	236.35
CAS Number	4871-97-0
Appearance (Color)	White
Appearance (Form)	Crystal

### Analytical Test

Test	Result
Identity by LC/MS Analysis	Consistent with structure
Purity by HPLC/DAD Analysis	≥95%

### 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: 04/03/2013

## Product Analysis Report

### Analytical Test

Test	Results
Identity by LC/MS Analysis	Consistent with structure
Purity by HPLC/DAD Analysis	≥95%

### Spectral and Physical Data

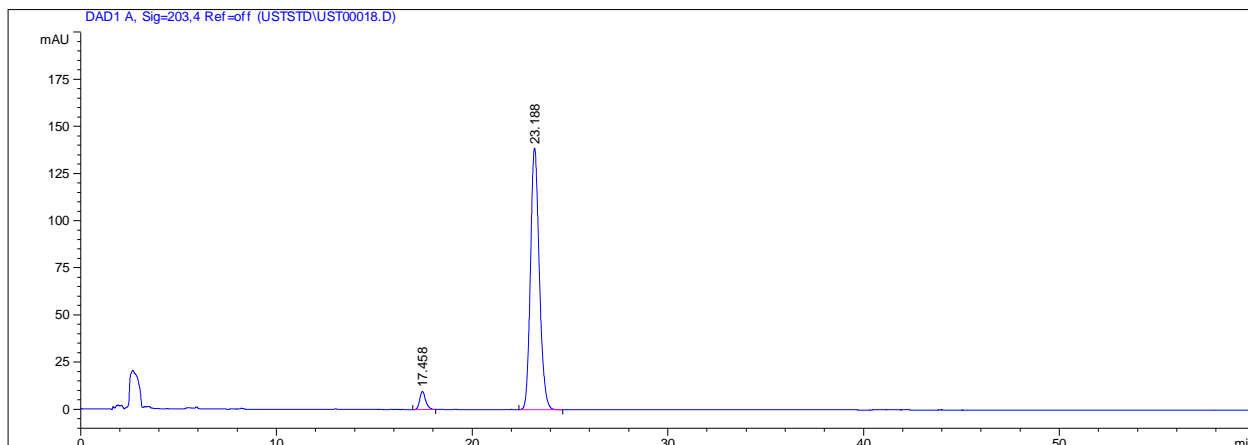
#### HPLC

HPLC system : Agilent 1100 series  
Column : Grace Alltima C18 column, 4.6 mm × 250 mm, 5-μm  
Injection volume : 10 μL  
Detector : Diode array detector  
Detector wavelength : 203 nm  
Flow rate : 1.0 mL/min  
Mobile phase :

Time (min)	% ACN	% 0.1% (v/v) H <sub>3</sub> PO <sub>4</sub>	Flow rate (mL/min)
0-60	55	45	1.0

Date File Name : C:\CHEM\1\DATA\USTSTD\UST00018.D  
Operator : Kiki  
Sample Lot Number : 110091  
Method File : C:\CHEM\1\METHODS\C0519.M  
Acquired : 12/12/2012

## I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
Curcumol	23.188	7339.7	95.5