

## Certificate of Analysis

<b>Product Name</b>	Curcumin /薑黃素	
<b>Catalog Number</b>	9003	
<b>Lot Number</b>	90031	

<b>Chemical Name</b>	<b>Curcumin</b>
<b>Chemical Formula</b>	<b>C<sub>21</sub>H<sub>20</sub>O<sub>6</sub></b>
<b>Chemical Family</b>	<b>Phenol</b>
<b>Molecular Weight</b>	<b>368.38</b>
<b>CAS Number</b>	<b>458-37-7</b>
<b>Appearance (Color)</b>	<b>Yellow</b>
<b>Appearance (Form)</b>	<b>Powder</b>

### Analytical Test

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

### Storage Conditions:

<b>Storage:</b>	<b>Refer to label</b>
<b>Before use:</b>	<b>Keep container tightly closed</b>

*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

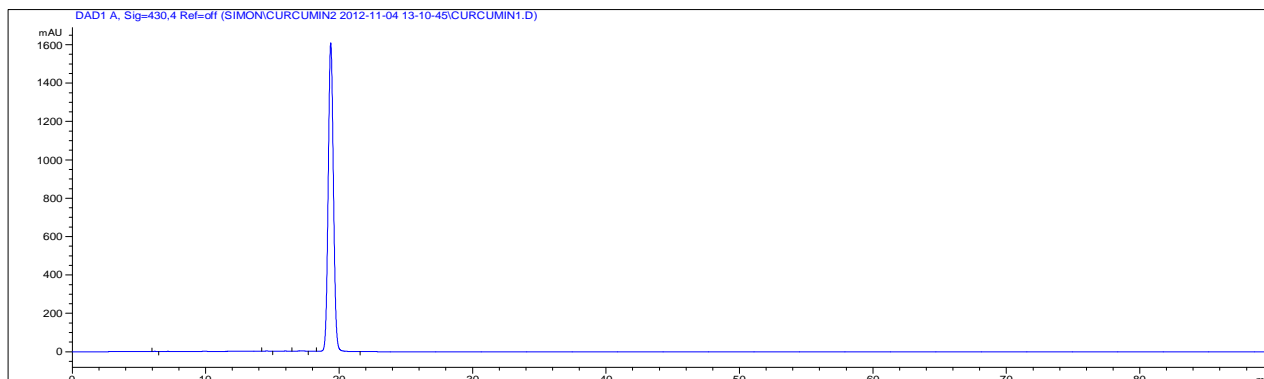
#### HPLC

**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** : 430nm  
**Flow rate** : 1.0 mL/min  
**Mobile phase** :

Time (min)	% trifluoroacetic acid	% ACN	Flow rate (mL/min)
0 → 30	52	48	1.0

**Date File Name** : A5-C:\Chem32\1\DATA\simon\CURCUMIN2  
2012-11-04 13-10-45  
**Operator** : DUAN Ran  
**Sample Lot Number** : 90031  
**Method File** : A5-C:\Chem32\1\METHODS\SIMON\CURCUMIN-3-TIMES.M  
**Acquired** : 7/11/2012

I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
Curcumin	19.373	43628	99.772