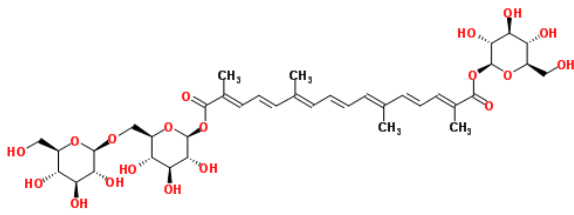


Certificate of Analysis

Product Name	Crocin II /西紅花苷 II	
Catalog Number	11061	
Lot Number	110618	

Chemical Name	Crocin II
Chemical Formula	$C_{38}H_{53}O_{19}$
Chemical Family	Terpenoids
Molecular Weight	814.83
CAS Number	55750-84-0
Appearance (Color)	Dark red
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: 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

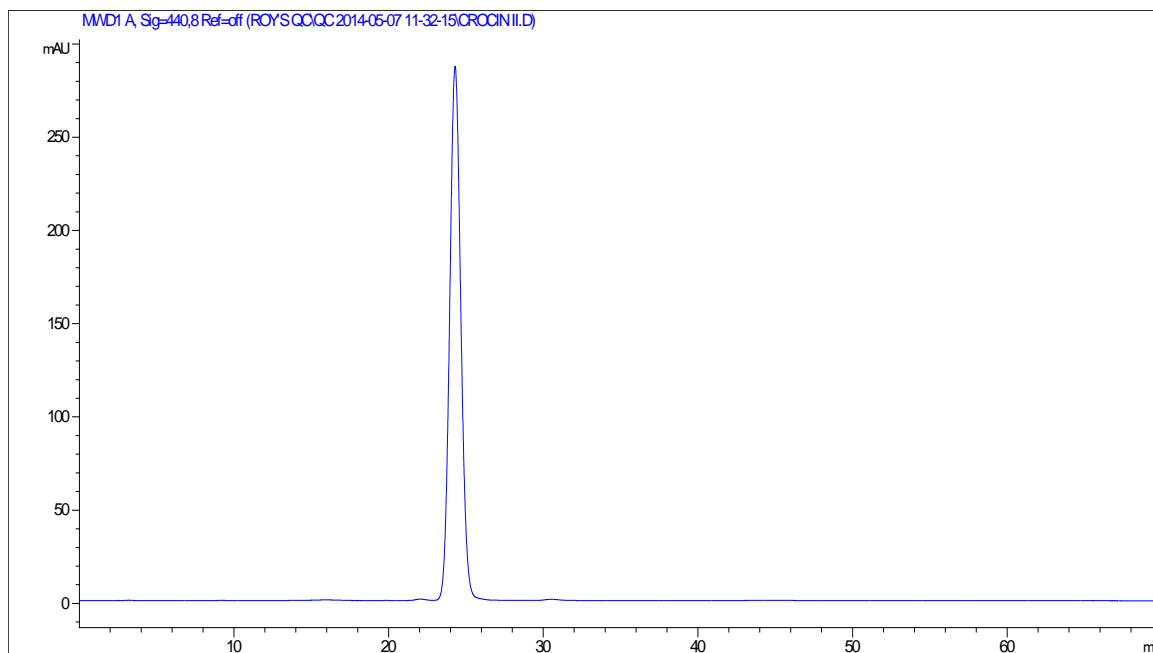
HPLC

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

Time (min)	% Water	% MeOH	Flow rate (mL/min)
0 → 60	50	50	1.0

Date File Name : A3-D:\CHEM32\1\DATA\ROY'S QC\QC 2014-05-07
11-32-15\CROCIN II.D
Operator : DUAN Ran
Sample Lot Number : 110618
Method File : CROCIN.M
Acquired : 07/05/2014

I. HPLC chromatogram



Product	RT (min)	Area (mAu*s)	Relative Area %
Crocin II	24.299	14318.3	100.000