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Certificate of Analysis

Product Name: Astaxanthin

Catalogue No.: BP1506

Batch No.: 14073103

Report date: 2014-07-31

CAS Number: 472-61-7

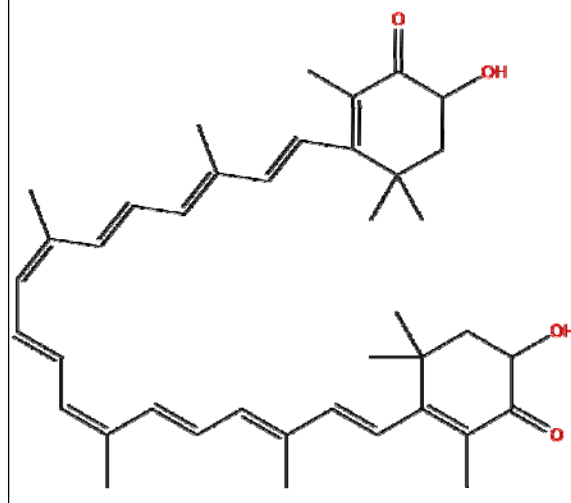
Mol. Formula: C₄₀H₅₂O₄

Mol. Weight: 596.85

Identification Method: Mass, NMR

Analysis Method of Purity: HPLC-DAD

Structure:



Analytical result:

Test	Specification	Results
Appearance	Black powder	Black powder
Loss on drying	<3.0%	1.1%
Purity (HPLC,480 nm)	≥98.0%	98.1%

Package: Brown vial or HDPE Plastic Bottle

Storage: Cool and Dry place, protected from light, keep package airproofed when not in use.

Expiration: one year (2016-07-30) under conditions list above.

QC: *Meng Pan*

Date: 2014-07-31

QA: *Lianglei Zhang*

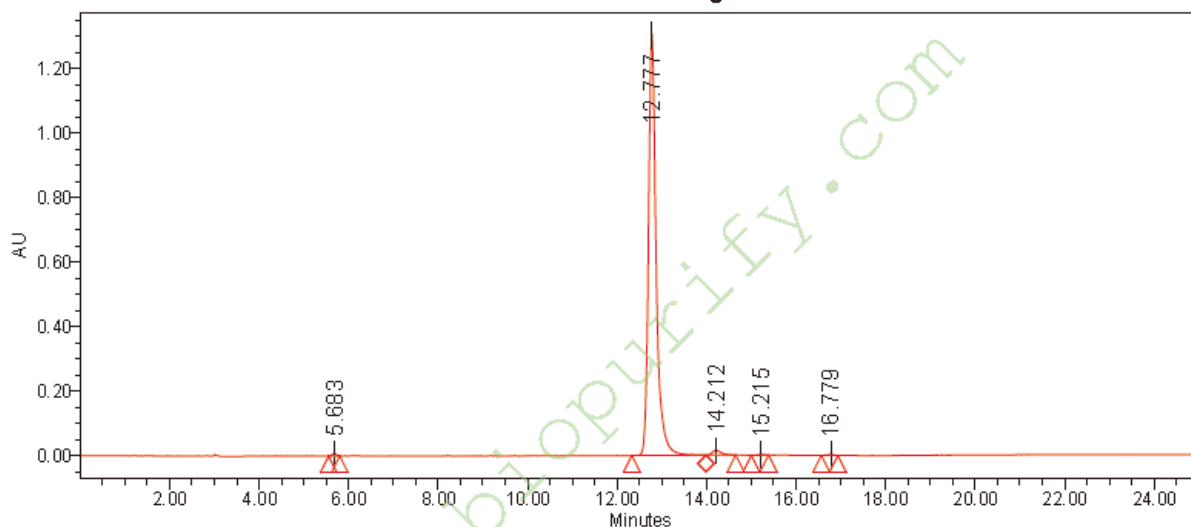
Date: 2014-07-31



SAMPLE INFORMATION

Sample Name:	Astaxanthin 14073103	Acquired By:	panmeng
Sample Type:	Unknown	Sample Set Name:	
Vial:	1:B,7	Acq. Method Set:	Astaxanthin
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	480.0nm
Run Time:	25.0 Minutes	Proc. Chnl. Descr.:	PDA 480.0 nm
Date Acquired:	2014-7-31 10:55:01 CST		
Date Processed:	2014-7-31 13:02:47 CST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		5.683	47618	0.30	20477.04	
2		12.777	15686524	98.10	29999.55	30.61
3		14.212	212843	1.33	24965.84	4.16
4		15.215	21017	0.13	50355.87	3.09
5		16.779	22181	0.14	102334.22	5.60