

产品分析证书
Certificate of Analysis

中文名称: 叶黄素

English Name: Lutein

别名 (Alias): Xanthophyll; β , ϵ -Carotene-3,3'-diol

产品编码 (Cat. No.): BP0895

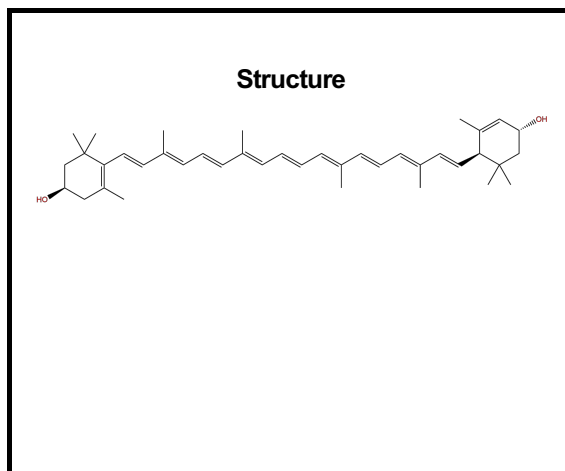
CAS Number: 127-40-2

分子式 (M. F.): C₄₀H₅₆O₂

分子量 (M. W.): 568.886

批号 (Batch No.): PRF8060904

报告日期 (Report date): 2017-06-09



检验结果 (Analytical result):

检验项目 (Test Item)	检验指标 (Specifications)	检验结果 (Results)
外观 Appearance	Orange-red powder	Orange-red powder
纯度 Purity (HPLC-DAD, 445nm)*	≥90.0%	92.18%
质谱 Mass	568.8±1	Conforms
核磁 NMR	Comply with the structure	Conforms
水分 Water Content	<3.0%	1.77%

* 色谱图见附件 (Please find HPLC chromatography attached.)

检测方法 (Test Method): Column: Thermo HypURITY C18, 4.6*150mm, 3.0μm; Column temperature: 30°C; Detection Mode: UV445nm; Flow Rate: 1.0ml/min; Sample

dissolution: DMF; Mobile Phase: A 0.1% phosphoric acid in water B, Acetonitrile; Gradient elution: B, 80%-95%, 0min-15min; 95%-95%, 15min-30min.

贮存条件 (Storage): -40°C 充氮 避光, protected from light, keep package airproofed when not in use.

复测期 (Retest date): two years (2019-06-08) under conditions list above.

QC: Zhang Ling

Date: 2017-06-09

QA: Wu Qi

Date: 2017-06-09

备注 (Remarks): The sample solutions should be prepared and used on the same day. It is the best preparing the solutions immediately before use. If the solutions have to be made up in advance, it should be made as aliquots in tightly sealed vials at less than -20°C. Generally, these might be useable for up to two weeks.

In case of quality issue, please contact us within 15 days after receipt of the product.

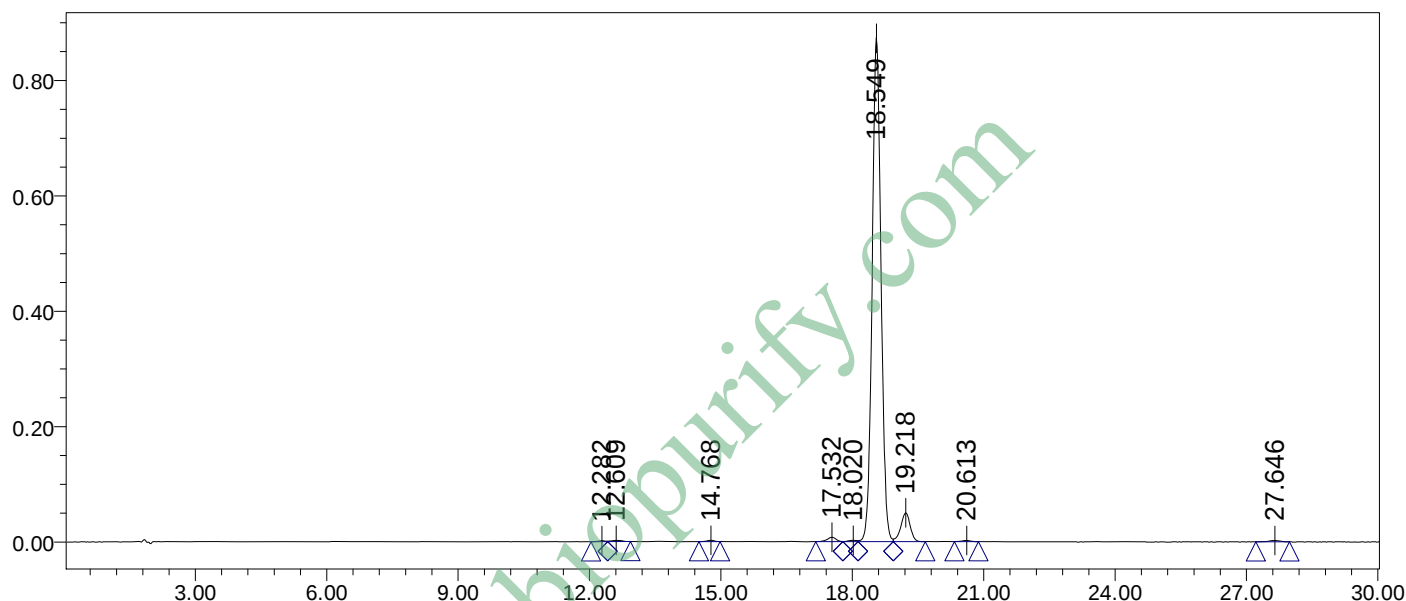
Tel: +86-28-82633397 Fax: +86-28-82633165

http://www.phytopurify.com Email: sales@biopurify.com biopurify@gmail.com

SAMPLE INFORMATION

Sample Name:	Lutein PRF8060904	Acquired By:	System
Sample Type:	Standard	Sample Set Name:	
Vial:	4	Acq. Method Set:	Lutein
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	445.0nm
Run Time:	30.0 Minutes	Proc. Chnl. Descr.:	PDA 445.0 nm
Date Acquired:	2017-6-9 13:54:50 CST		
Date Processed:	2017-6-9 14:29:14 CST		

Auto-Scaled Chromatogram



Peak Results

	RT	Area	% Area	USP Plate Count	USP Resolution
1	12.282	19488	0.15	13351.53	
2	12.609	35700	0.27	10212.94	
3	14.768	29739	0.22	30792.81	4.96
4	17.532	105547	0.80	37407.32	7.76
5	18.020	29931	0.23		
6	18.549	12228802	92.18	40343.85	
7	19.218	744130	5.61	38498.53	1.72
8	20.613	28232	0.21	52790.21	3.67
9	27.646	44652	0.34	55942.42	17.37