

产品分析证书
Certificate of Analysis

中文名称: Beta-胡萝卜素

English Name: Beta-Carotene

别名 (Alias): Betacarotene, Carotaben; Phenoro;
Solatene; β , β -Carotene; Provatene

产品编码 (Cat. No.): BP0318

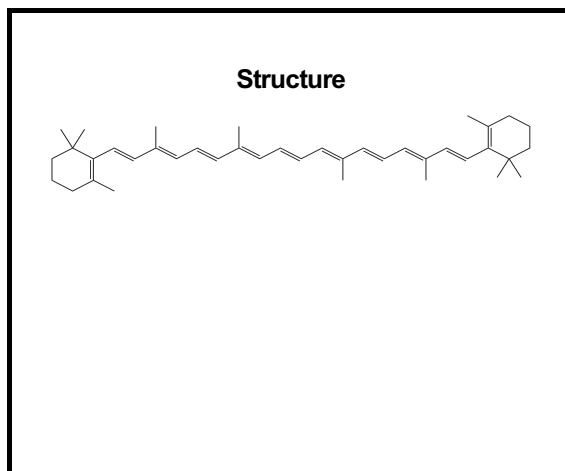
CAS Number: 7235-40-7

分子式 (M. F.): C₄₀H₅₆

分子量 (M. W.): 536.888

批号 (Batch No.): PRF8031325

报告日期 (Report date): 2017年3月13日



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	Brick red powder	Brick red powder
干燥失重 Loss on drying	<3.0%	1.25%
纯度 Purity (HPLC-DAD, 450nm)*	≥98.0%	96.25%
质谱 Mass	536.888±1	Conforms
核磁 NMR	Comply with the structure	Conforms

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

检测方法 (Test Method): Column: Thermo BDS Hypersil C18, 4.6*100mm, 2.4μm; Column temperature: 30°C; Detection Mode: UV450nm

Flow Rate: 0.8ml/min; Sample dissolution: Dichloromethane; Mobile Phase: A, Acetonitrile B, Methanol C, Tetrahydrofuran, Isocratic elution: A:B:C, 5: 85: 10, 25min.

贮存条件 (Storage): 2~8°C, protected from light, keep package airproofed when not in use.

复测期 (Retest date): two years (2019-03-12) under conditions list above.

QC: Zhang Ling

Date: 2017年3月13日

QA: Wu Qi

Date: 2017年3月13日

备注 (Remarks): The sample solutions should be prepared and used immediately after use. 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

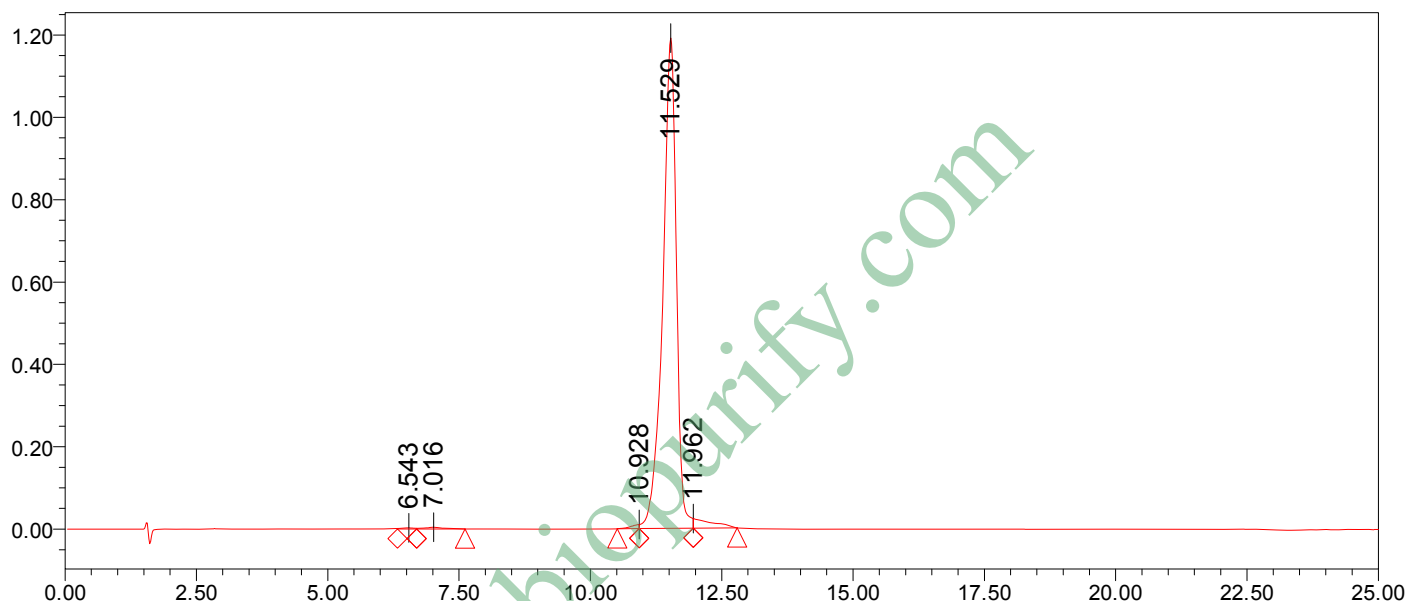
SAMPLE INFORMATION

Sample Name: β Carotene PRF8031325
Sample Type: Standard
Vial: 26
Injection #: 1
Injection Volume: 5.00 μ l
Run Time: 25.0 Minutes

Acquired By: System
Sample Set Name:
Acq. Method Set: β Carotene
Processing Method: Samples
Channel Name: 450.0nm
Proc. Chnl. Descr.: PDA 450.0 nm

Date Acquired: 2017-3-13 14:37:52 CST
Date Processed: 2017-3-13 15:20:32 CST

Auto-Scaled Chromatogram



Peak Results

	RT	Area	% Area	USP Plate Count	USP Resolution
1	6.543	39772	0.18	2492.65	
2	7.016	102421	0.46	1514.13	
3	10.928	102444	0.46		
4	11.529	21391131	96.25	10459.33	
5	11.962	588045	2.65		