

产品分析证书
Certificate of Analysis

中文名称：姜黄素

English Name : Curcumin

别名(Alias): Diferuloylmethane

产品编码(Cat. No.):BP0421

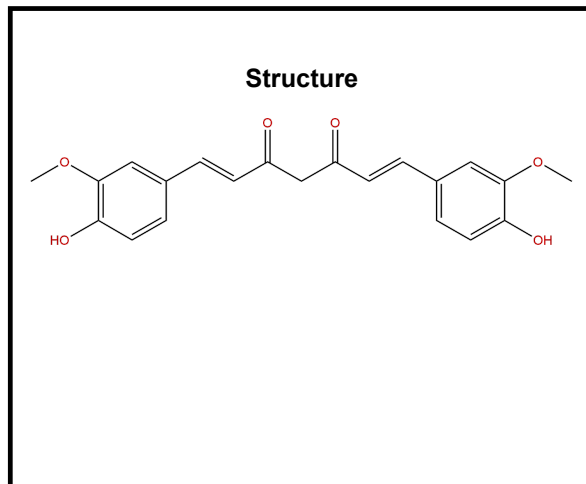
CAS Number: 458-37-7

分子式(M. F.): C₂₁H₂₀O₆

分子量(M. W.): 368.385

批号(Batch No.): PRF8081721

报告日期(Report date): 2017-08-17



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 powder	Orange powder
干燥失重Loss on drying	< 3.0%	1.64%
纯度Purity (HPLC-DAD,430nm)*	≥98.0%	99.91%
质谱Mass	368.3±1	Conforms
核磁NMR	Comply with the structure	Conforms
含量Assay	≥98.0%	104.2%

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

检测方法 (Test Method) : Column: Thermo BDS Hypersil C18 , 4.6*250mm , 5.0um; Column temperature: 30°C; Detection Mode: UV430nm;

Flow Rate: 1.0ml/min; Sample dissolution: Methanol; Mobile Phase: A, 4.0% Acetic acid in water B, Acetonitrile; Isocratic elution: B, 48%.

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 (2019-08-16) under conditions list above.

QC: Zhang Ling

Date: 2017-08-17

QA: Wu Qi

Date: 2017-08-17

备注(Remarks): The sample solutions should be prepared 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.

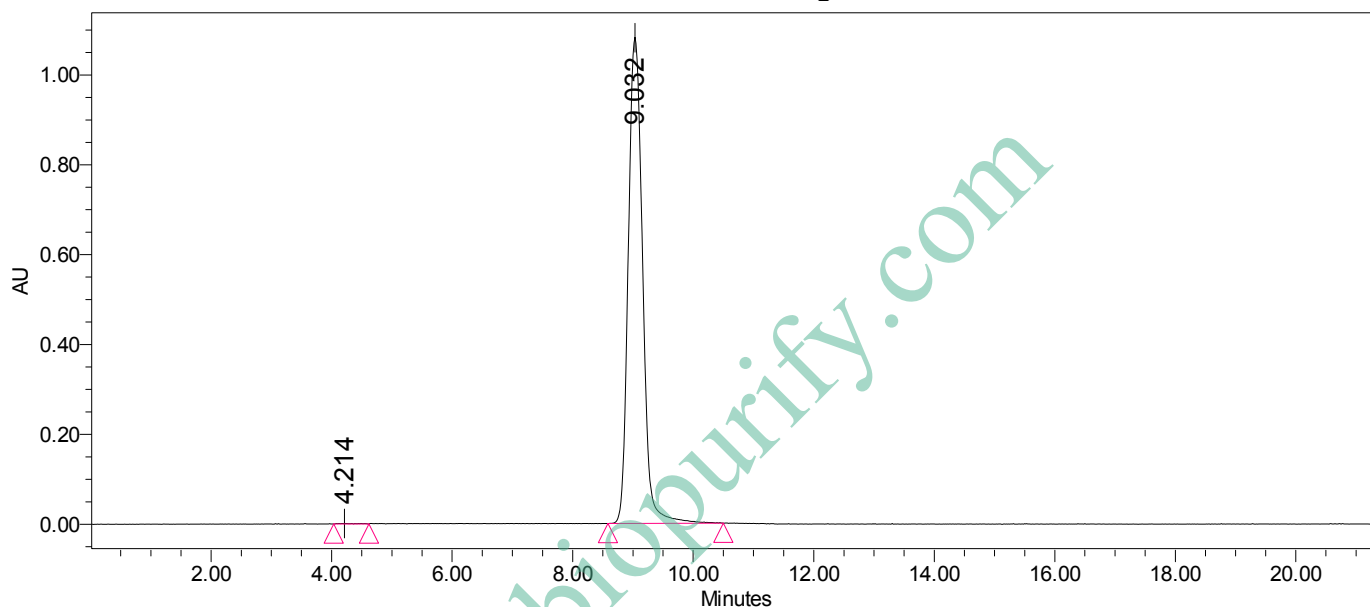
Tel: +86-28-82633397 Fax: +86-28-82633165

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

SAMPLE INFORMATION

Sample Name:	Curcumin PRF8081721	Acquired By:	System
Sample Type:	Unknown	Sample Set Name:	
Vial:	30	Acq. Method Set:	Curcumin
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	430.0nm
Run Time:	30.0 Minutes	Proc. Chnl. Descr.:	PDA 430.0 nm
Date Acquired:	2017-8-17 10:10:36 CST		
Date Processed:	2017-8-17 11:25:37 CST		

Auto-Scaled Chromatogram



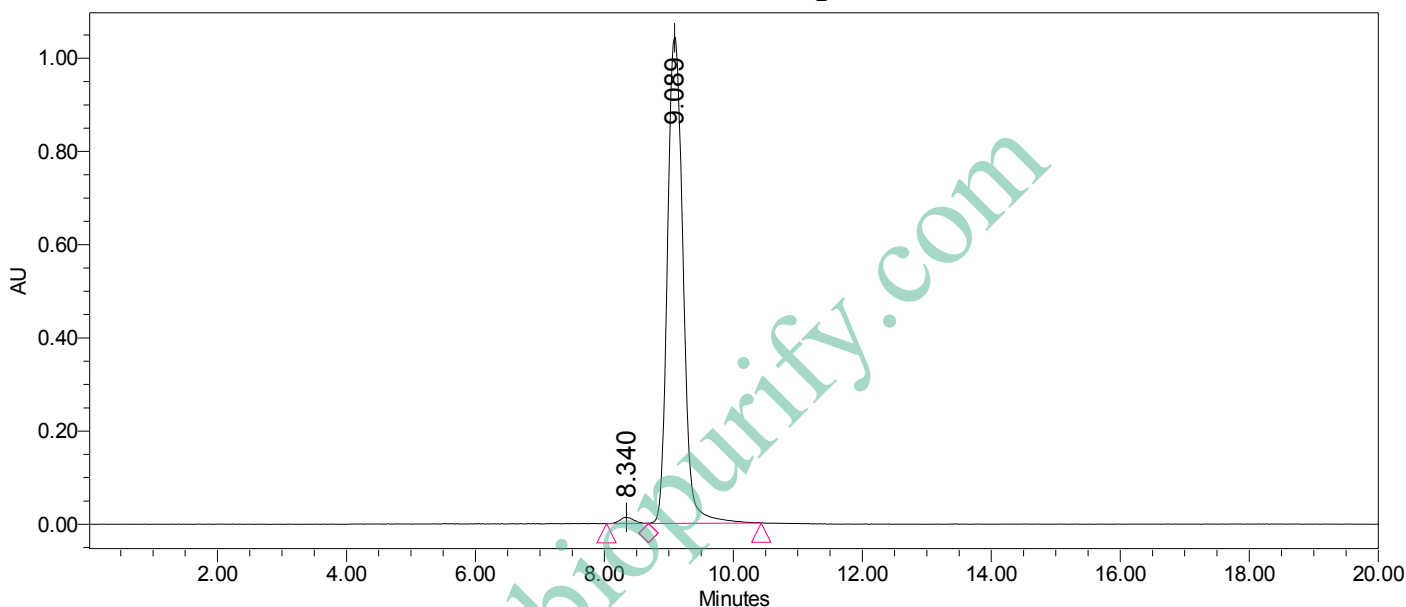
Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		4.214	15408	0.09	2797.5	
2		9.032	17874460	99.91	7296.7	15.9

SAMPLE INFORMATION

Sample Name:	Curcumin STD	Acquired By:	System
Sample Type:	Unknown	Sample Set Name:	
Vial:	59	Acq. Method Set:	Curcumin
Injection #:	2	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	430.0nm
Run Time:	20.0 Minutes	Proc. Chnl. Descr.:	PDA 430.0 nm
Date Acquired:	2017-8-17 10:59:40 CST		
Date Processed:	2017-8-17 11:22:49 CST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		8.340	210891	1.19	7296.5	
2		9.089	17584370	98.81	7177.1	1.7