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Certificate of Analysis

Product Name: 4-Caffeoylquinic acid

Other Name: 4-O-caffeoylquinic acid

Catalogue No.: BP0411

Batch No.: 15020603

Report date: 2015-02-06

CAS Number: 905-99-7

Mol. Formula: C₁₆H₁₈O₉

Mol. Weight: 354.311

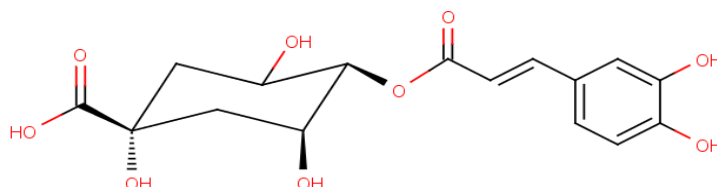
Botanical Source: Coffea sp. (coffee)

Type of compound:

Identification Method: Mass, NMR

Analysis Method of Purity: HPLC-DAD

Structure:



Analytical result:

Test	Specification	Results
Appearance	White to pale yellow powder	White to pale yellow powder
Loss on drying	<3.0%	1.2 %
Purity (HPLC, 326nm)*	≥98.0%	98.85%

* Please find HPLC chromatography attached.

Package: Brown vial or HDPE Plastic Bottle

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

Expiration: two years (2017-02-05) under conditions list above.

QC: *Meng Pan*

Date: 2015-02-06

QA: *Lianglei Zhang*

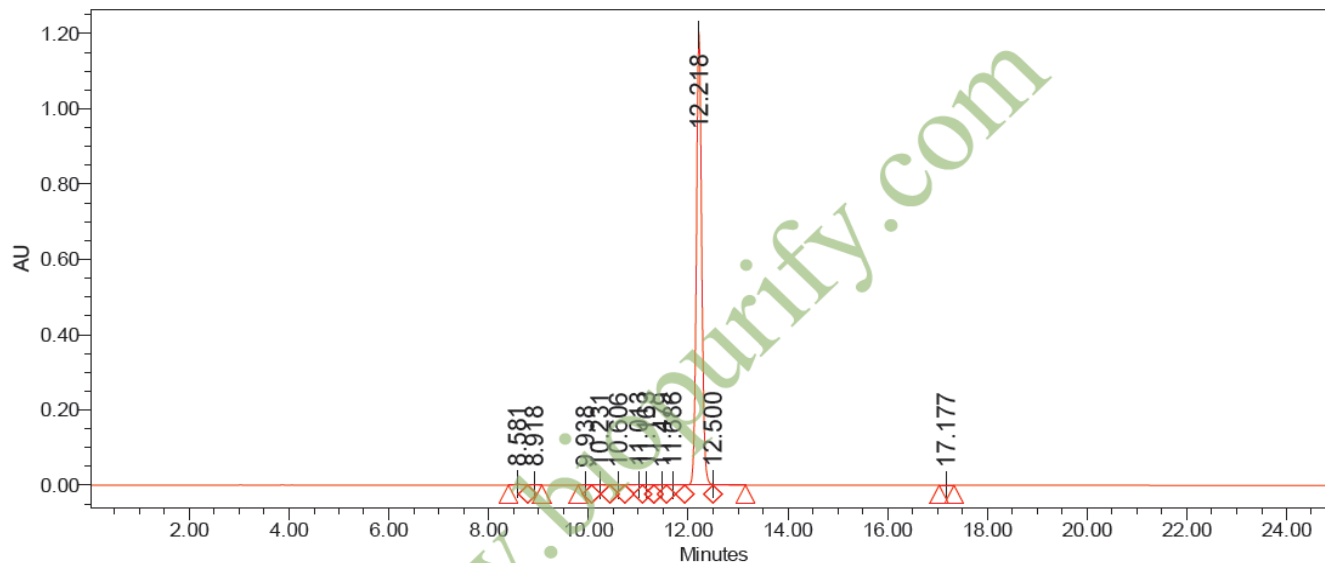
Date: 2015-02-06



SAMPLE INFORMATION

Sample Name:	4-Caffeoylquinic acid 15020603	Acquired By:	System
Sample Type:	Unknown	Sample Set Name:	
Vial:	44	Acq. Method Set:	4-Caffeoylquinic acid
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	326.0nm
Run Time:	25.0 Minutes	Proc. Chnl. Descr.:	PDA 326.0 nm
Date Acquired:	2015-2-6 12:56:37 CST		
Date Processed:	2015-2-6 16:07:14 CST		

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area	USP Plate Count	USP Resolution
1		8.581	21628	0.24	32698.31	
2		8.918	5178	0.06	36715.93	1.76
3		9.938	2959	0.03	32196.00	4.54
4		10.231	5785	0.06	19862.34	1.08
5		10.606	3493	0.04	26098.55	1.26
6		11.013	18380	0.20		1.30
7		11.163	10935	0.12		
8		11.479	4826	0.05	38523.85	
9		11.686	9686	0.11	34713.09	
10		12.218	8894382	98.85	63197.77	2.29
11		12.500	16705	0.19		1.42
12		17.177	3810	0.04	110658.15	23.07