

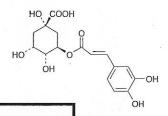
INDOFINE Chemical Company, Inc.

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HPLC

Lot No.: 14112407



CHLOROGENIC ACID

024991S

IDENTIFICATION

CAS number

[327-97-9]

Synonym name

3-caffeoylquinic acid

Chemical family

Phenolic acids and derivatives

Molecular formula

 $C_{16}H_{18}O_{9}$

Molecular weight

354.31

CERTIFICATE OF ANALYSIS

Appearance

White powder

Thin layer chromatography

Silicagel support

solvent detection Ethyl acetate/formic acid/acetic acid/water (100/11/11/27, V/V/V)

Moisture

0.7%

Residual solvents

< 0.5%

 $[\alpha]_D$

-39° c=0.1 in methanol

Absorption maxima

236sh, 245, 300sh, 329 nm in methanol

Storage

Store at room temperature in a dry and dark place. Place in a desiccator under vacuum

before use. Unstable in solution, decomposed by light.

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column

Nova pak C18® (3.9 x 150 mm), particle size 4 µm

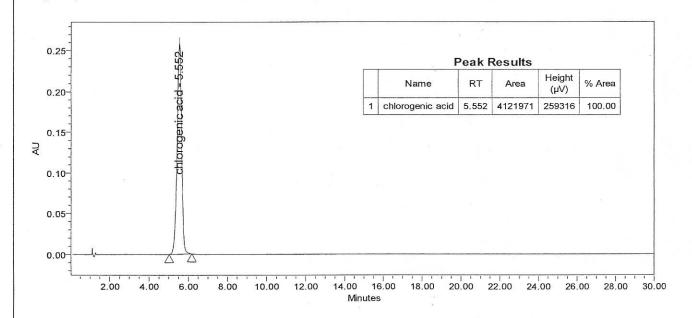
Solvent

Water + 5% acetic acid/ Methanol (95/5, V/V)

Flow rate

1ml/mn

Detector Sample solvent UV visible 327 nm Methanol



Assay by an HPLC method.

Date of last QC-recheck

March 2014

Date of retest

March 2018

The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.