



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Cat No.: 021102S

Product: **APIGENIN with HPLC**
(5,7,4'-Trihydroxyflavone)

CAS Number: [520-36-5]

Lot Number: 08010709

Chemical Formula: C₁₅H₁₀O₅

Molecular Weight: 270.23

Melting Point: 350-355°C (dec)

Appearance: Slightly yellow powder

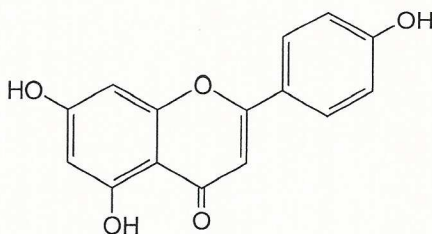
Moisture: 0.65%

Thin Layer Chromatography:

Support Silicagel
Solvent Toluene/ethyl formate/formic acid (5/4/1, V/V/V)
Detection U.V.

Storage: Cool dry place

Purity: 99.38%



**INDOFINE Chemical Company, Inc.**

121 Stryker Lane, Bldg. 30, Suite 1
 Hillsborough, NJ 08844 USA
 Phone: (908) 359-6778; Fax: (908) 359-1179

H P L C**Batch: 09****APIGENIN****021102S****IDENTIFICATION**

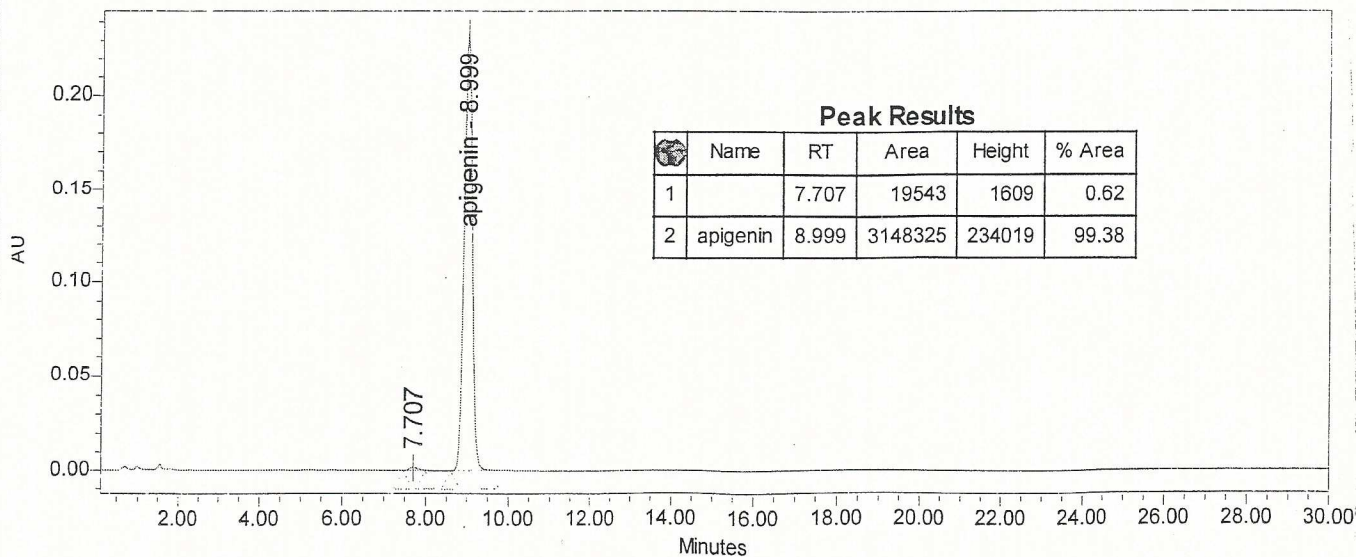
CAS number [520-36-5]
 Chemical family Flavonoids
 Chemical names 4', 5, 7-Trihydroxyflavone
 Molecular formula C₁₅H₁₀O₅
 Molecular weight 270.23

CERTIFICATE OF ANALYSIS

Appearance Slightly yellow powder
 Melting point 350-355°C dec.
 Thin layer chromatography support Silicgel
 solvent Toluene /ethyl formate / formic acid (5/4/1 , V/V/V)
 detection UV
 Moisture 0.65 %
 Absorption maxima 268, (297)sh, 338 nm in ethanol + 0.5% dimethylsulfoxide.
 Storage Store at room temperature in a dry and dark place. Place in a desiccator under vacuum for 48 hours before use

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column Symmetry Shield RP18® (4.6 x 150 mm), particle size 3.5 µm
 Solvent Water + 0.3% H₃PO₄ / Methanol / Acetonitrile (40/35/25 , V/V/V)
 Flow rate 1 ml/min
 Detector UV visible 254 nm
 Sample solvent Dimethylsulfoxide / Ethanol (1/19 , V/V)



Date of last QC-recheck : 04/04/2006

Product no-certified. Assay by an HPLC method.

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