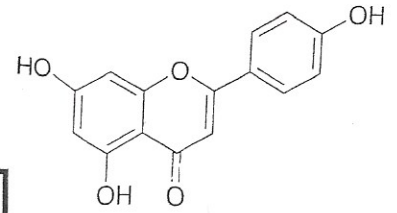


**INDOFINE Chemical Company, Inc.**

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**HPLC****Batch: 14****APIGENIN****021102S****IDENTIFICATION**

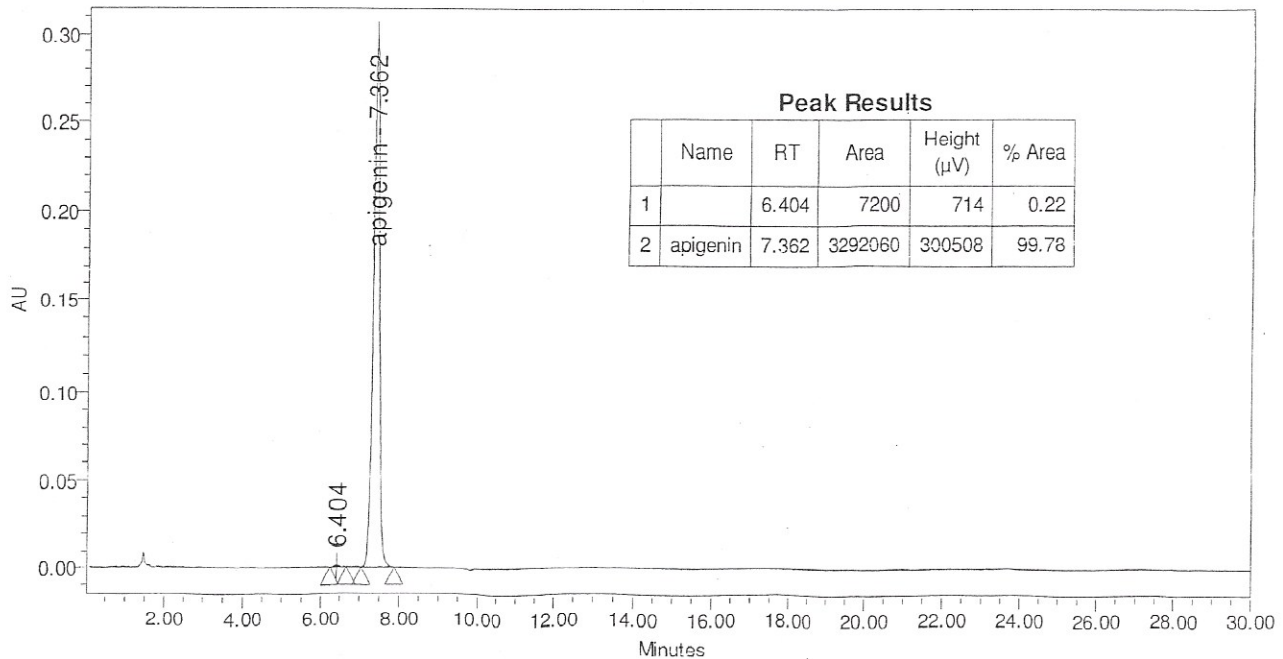
CAS number [520-36-5]
 Chemical family Flavonoids
 Chemical names 4', 5, 7-Trihydroxyflavone
 Molecular formula C₁₅H₁₀O₅
 Molecular weight 270.25

CERTIFICATE OF ANALYSIS

Appearance Slightly yellow powder
 Moisture 0.6 %
 Residual solvent <0.5%
 Absorption maxima 269, 300sh, 340 nm in ethanol + 0.5% dimethylsulfoxide
 Thin layer chromatography support Silicagel
 solvent Toluene /ethyl formate / formic acid (5/4/1 , V/V/V)
 detection UV
 Storage Store at room temperature in a dry and dark place. Place in a desiccator under vacuum 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/mn
 Detector UV visible 254 nm
 Sample solvent Dimethylsulfoxide / Ethanol (2/18, V/V)



Assay by an HPLC method.

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