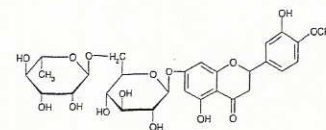




INDOFINE Chemical Company, Inc.

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HPLC Lot No.: 13102122

HESPERIDIN

021116S

IDENTIFICATION

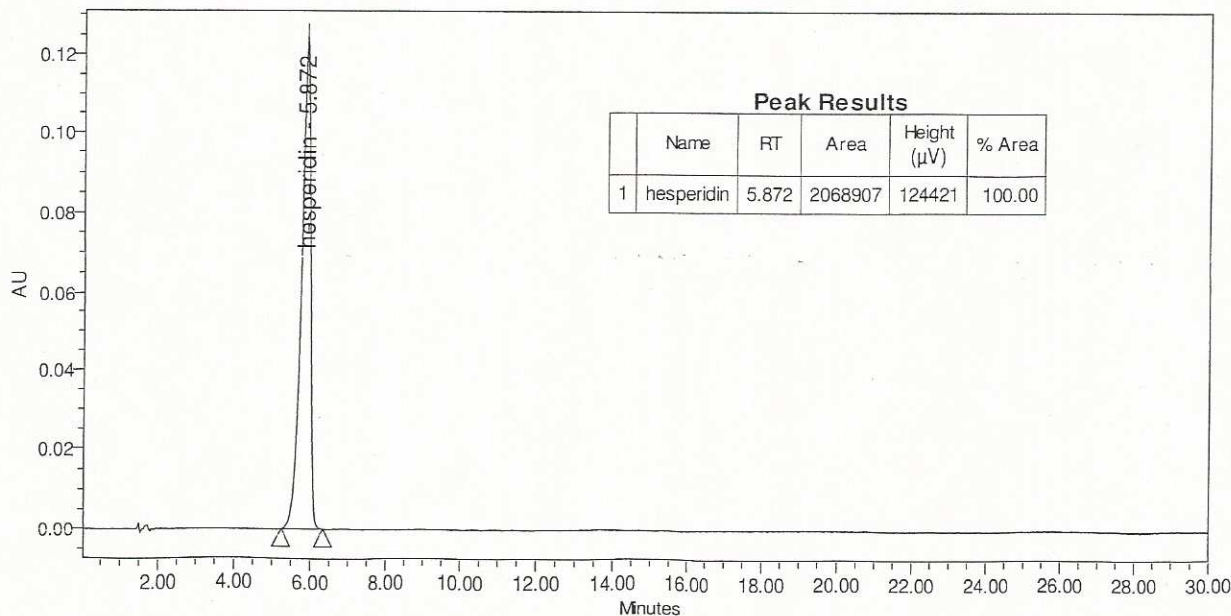
CAS number [520-26-3]
Chemical family Flavonoids
Chemical names Hesperetin-7-O-rutinoside
Molecular formula $C_{28}H_{34}O_{15}$
Molecular weight 610.57

CERTIFICATE OF ANALYSIS

Appearance White powder
Melting point 253-254°C
Moisture 3.5%
Residual solvents 0.9 %
[α]_D -79° c=0.5 in pyridine
Absorption maxima 285, 332 nm in ethanol + 0.5% dimethylsulfoxide
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 μ m
Solvent Water + 0.3% H₃PO₄ / Methanol / Acetonitrile (65/25/10, V/V/V)
Flow rate 1 ml/min
Detector UV visible 280 nm
Sample solvent Dimethylsulfoxide / Ethanol (2/18, V/V)



Assay by an HPLC method.

Date of last QC-recheck August 2013
Date of retest August 2017

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