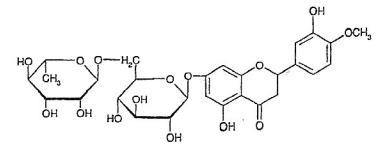




INDOFINE Chemical Company, Inc.

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Phone: (908) 359-6778; Fax: (908) 359-1179



HPLC

Batch: 21

HESPERIDIN

021116S

IDENTIFICATION

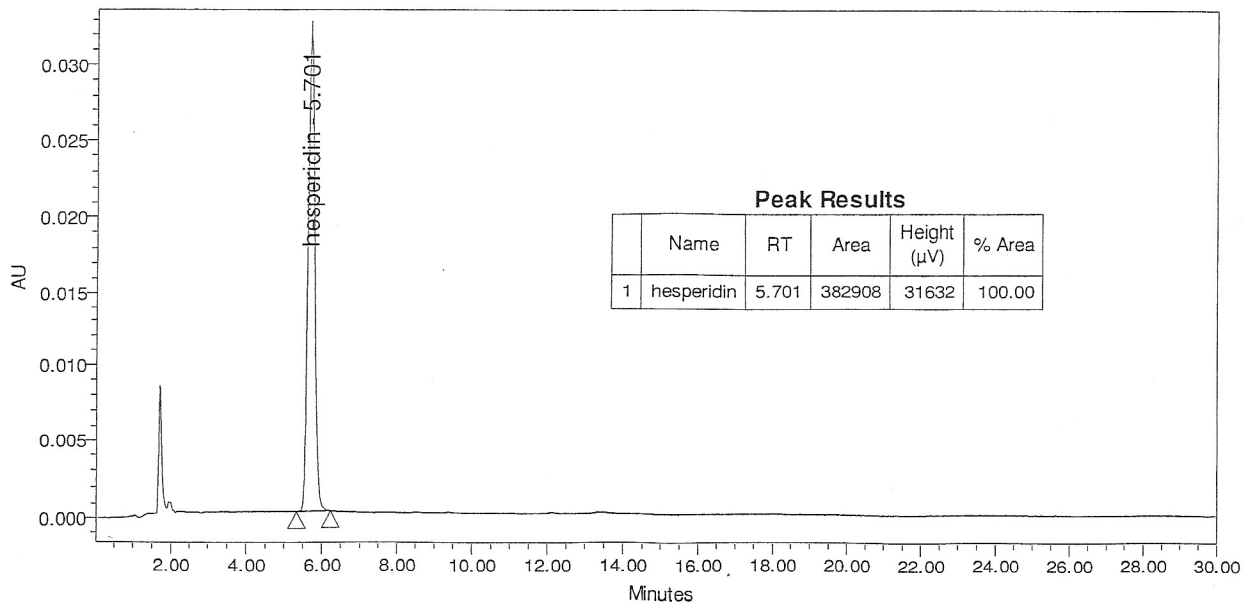
CAS number	[520-26-3]
Chemical family	Flavonoids
Chemical names	Hesperetin-7-O-rutinoside
Molecular formula	C ₂₈ H ₃₄ O ₁₅
Molecular weight	610.57

CERTIFICATE OF ANALYSIS

Appearance	Beige coloured powder
Melting point	253-254°C
Moisture	3.5%
Residual solvents	0.9 %
[α] _D	- 82 ° c=0.5 in pyridine
Absorption maxima	285, 330 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 μm
Solvent	Water + 0.3% H ₃ PO ₄ / 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	September 2012
Date of retest	September 2016

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