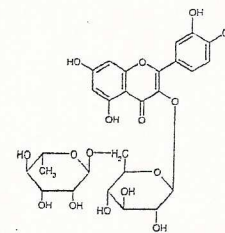




INDOFINE Chemical Company, Inc.

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HPLC Lot No.: 13021523

RUTIN 021139S

IDENTIFICATION

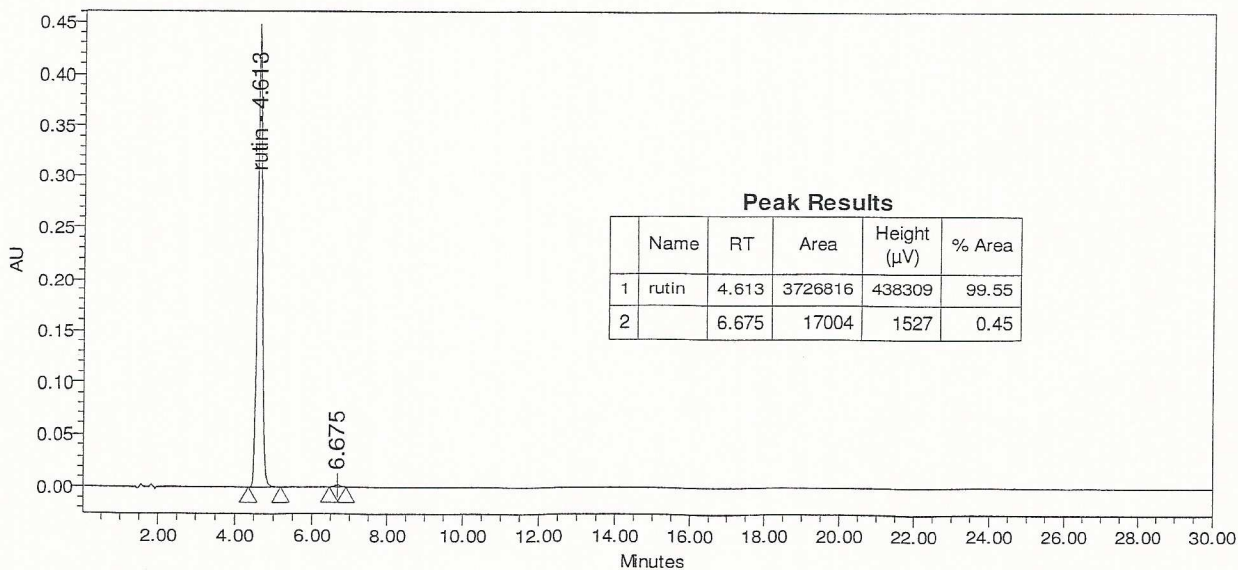
CAS number [153-18-4]
Chemical family Flavonoids
Chemical name Quercetin-3-O-rutinoside
Molecular formula C₂₇H₃₀O₁₆
Molecular weight 610.53

CERTIFICATE OF ANALYSIS

Appearance Yellow powder
Melting point 193-196°C
Moisture 7.3%
Residual solvents <0.5%
Thin layer chromatography support Silicagel
solvent Ethyl acetate / formic acid / acetic acid / water, (100/11/11/23, V/V/V/V)
detection U.V.
Absorption maxima 258, 268sh, 298sh, 359 nm in methanol
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 (60/25/15, V/V/V)
Flow rate 1 ml/min
Detector UV visible 254 nm
Sample solvent Methanol



Assay by an HPLC method

Date of last QC-recheck: June 2012

Date of retest: June 2016

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