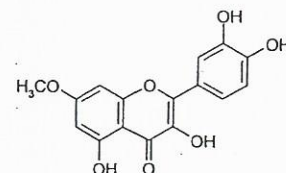




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HPLC ANALYSIS

021136S RHAMNETIN Lot No.: 16010610

IDENTIFICATION

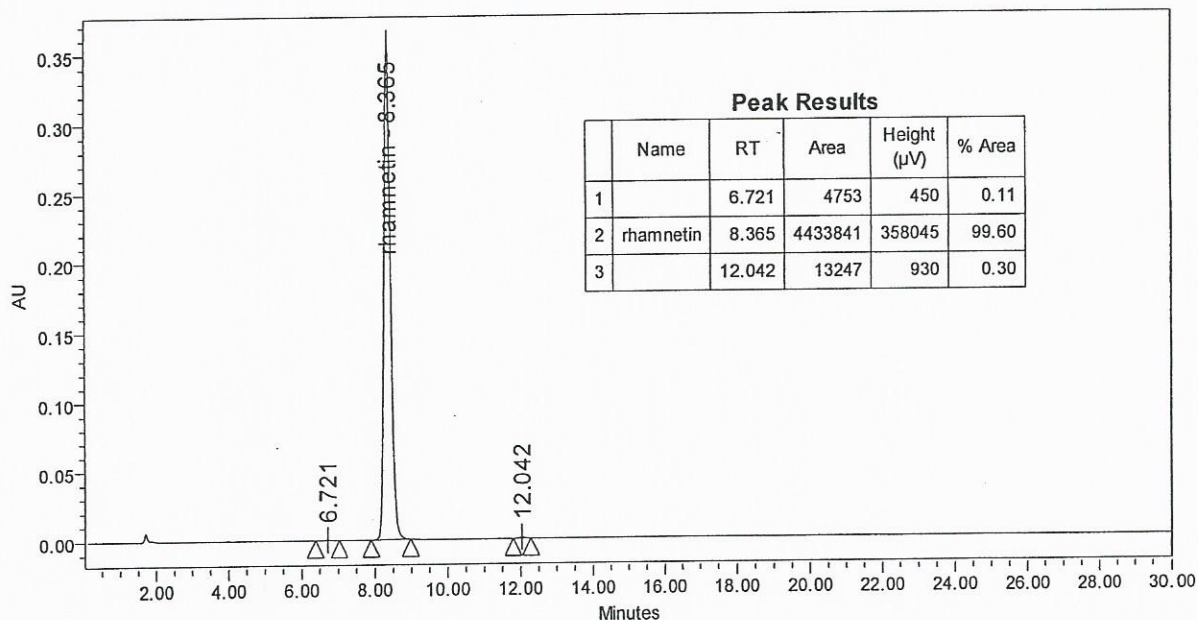
CAS number	[90-19-7]
Chemical family	Flavonoids
Chemical names	3,3',4',5-Tetrahydroxy-7-methoxyflavone
Molecular formula	C ₁₆ H ₁₂ O ₇
Molecular weight	316.28

CERTIFICATE OF ANALYSIS

Appearance	Yellow powder
Melting point	295-298°C
Moisture	<0.5%
Residual solvents	<0.5%
Thin layer chromatography	Support Silicagel Solvent Toluene/ethylformate/formic acid (5/4/1, V/V/V) Detection U.V
Absorption maxima	257, 375 nm in ethanol + 0.5% dimethylsulfoxide
Storage	Store at room temperature in a dry and dark place.

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 (40/30/30, V/V/V)
Flow rate	1 ml/ min
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.