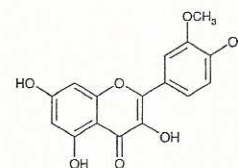




INDOFINE Chemical Company, Inc.

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HPLC

Lot No.: 13110829

ISORHAMNETIN

021120S

IDENTIFICATION

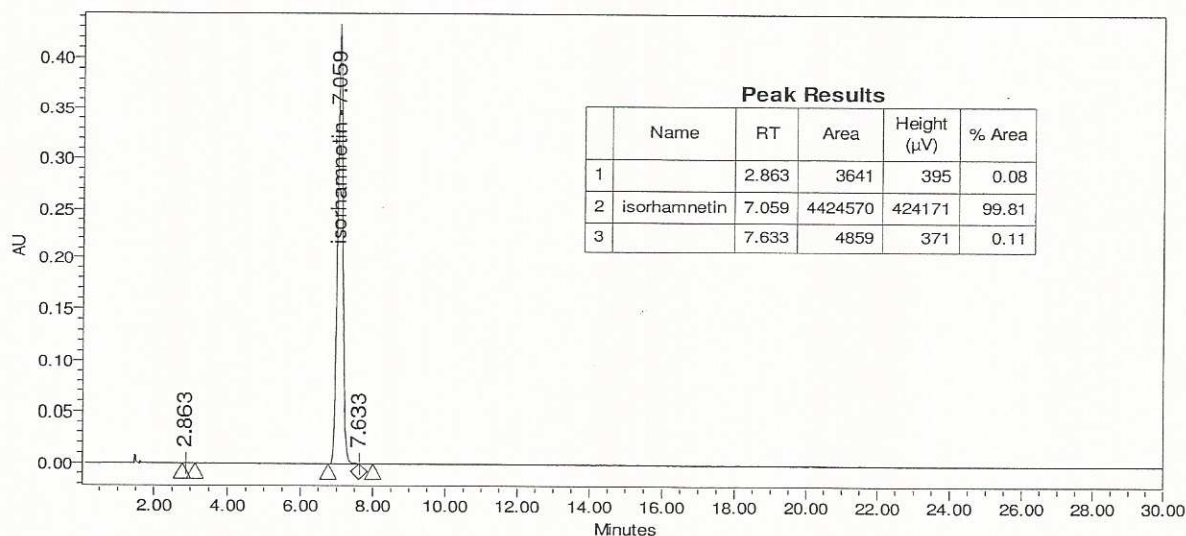
CAS number	[480-19-3]
Chemical family	Flavonoids
Synonym	3,4',5,7-tetrahydroxy-3'-methoxyflavone
Molecular formula	C ₁₆ H ₁₂ O ₇
Molecular weight	316.28

CERTIFICATE OF ANALYSIS

Appearance	Yellow powder
Melting point	313-315°C
Moisture	< 0.5%
Residual solvents	< 0.5%
Absorption maxima	255, 268sh, 307sh, 372 nm in ethanol + 0.5% dimethylsulfoxide
Thin layer chromatography	support Silicagel solvent Toluene/ethyl formate/formic acid (5/4/1, V/V/V)
	detection U.V
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 (40/35/25, 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.

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

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