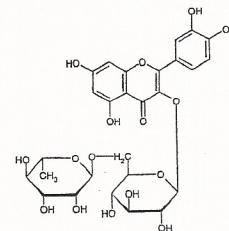




INDOFINE Chemical Company, Inc.

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HPLC **Batch: 22**

RUTIN **021139S**

IDENTIFICATION

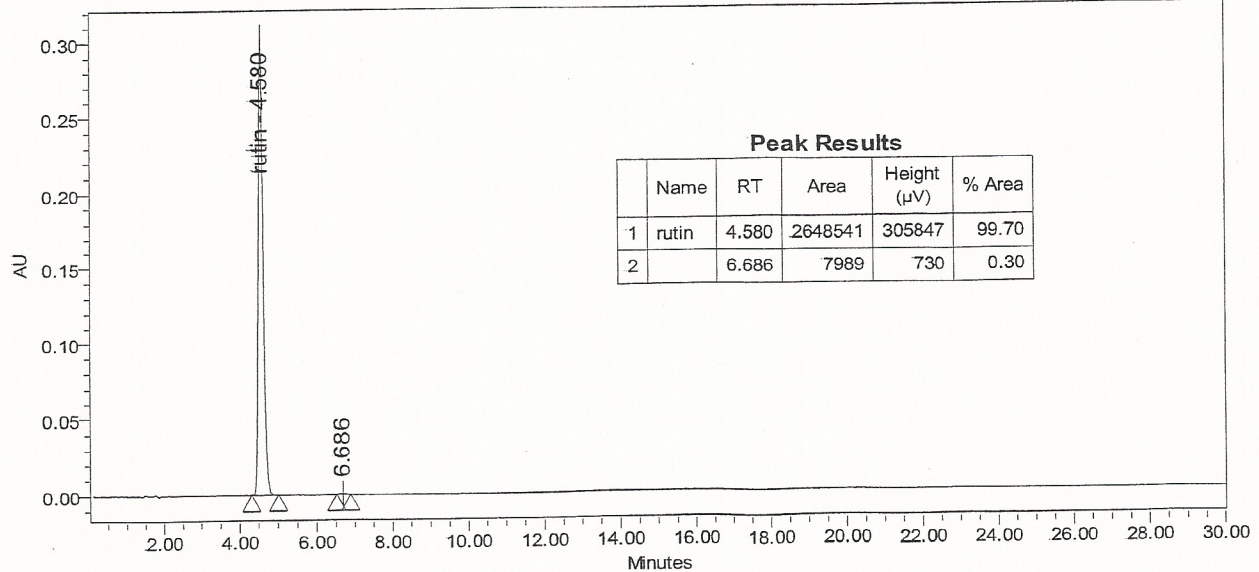
CAS number	[153-18-4]
Chemical family	Flavonoids
Chemical name	Quercetin-3-O-rutinoside
Molecular formula	C ₂₇ H ₃₀ O ₁₆
Molecular weight	610.53

CERTIFICATE OF ANALYSIS

Appearance	Yellow powder	
Melting point	193-195°C	
Moisture	7.9%	
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 for 48 hours 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 (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: November 2010

Date of retest: November 2014

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