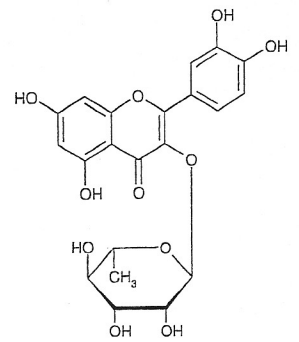




INDOFINE Chemical Company, Inc.

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HPLC **Batch: 16**

QUERCITRIN **021236S**

IDENTIFICATION

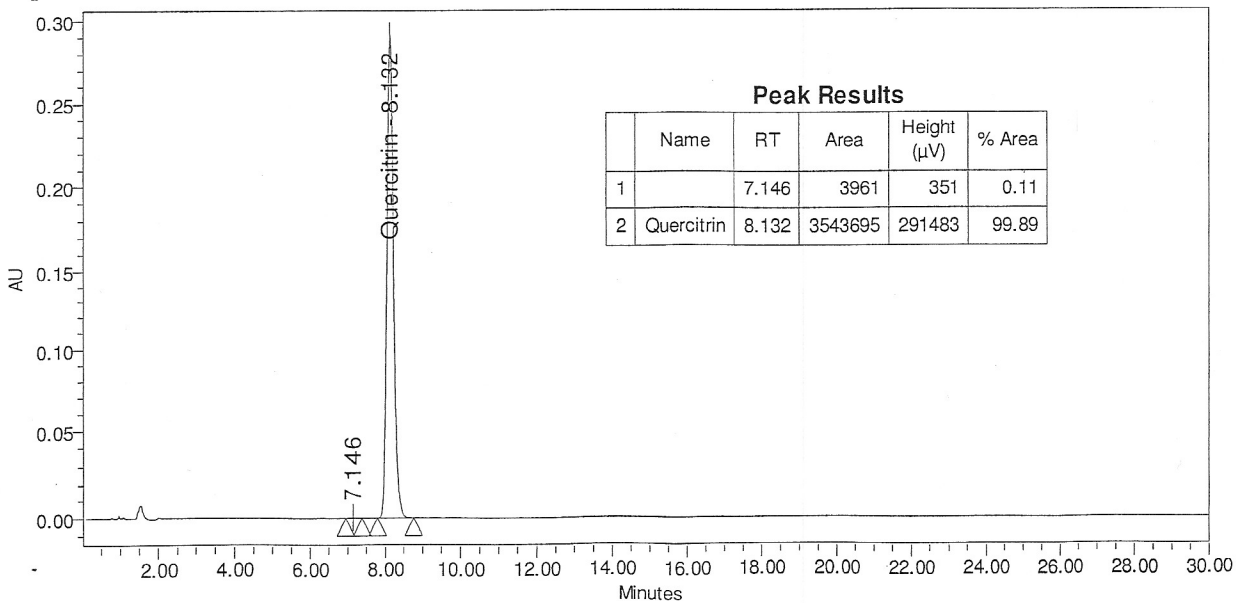
CAS number	[522-12-3]
Chemical family	Flavonoids
Synonym	Quercetin-3-O-rhamnoside
Molecular formula	C ₂₁ H ₂₀ O ₁₁
Molecular weight	448.38

CERTIFICATE OF ANALYSIS

Appearance	Yellow powder	
Absorption maxima	257, 266sh, 296sh, 353 nm in ethanol	
Moisture	5.7%	
Residual solvents	< 0.5%	
Thin layer chromatography	support	Silicagel
	solvent	Ethyl acetate / acetic acid / formic acid / water (100/11/11/27 ; V/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 / Acetonitrile (75/25, V/V)
Flow rate	1 ml/min
Detector	UV visible 254 nm
Sample solvent	Ethanol



Assay by an HPLC method.

Date of last QC-recheck : January 2012

Date of retest: January 2016

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