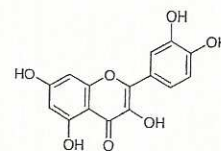


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**HPLC****Lot No.: 13110818****QUERCETIN DIHYDRATE****021135S****IDENTIFICATION**

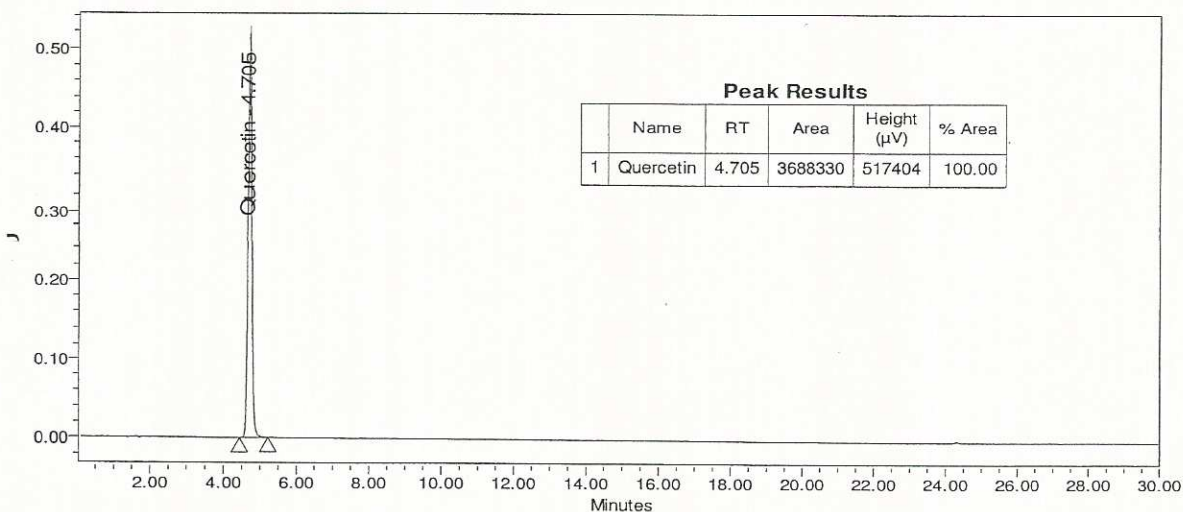
CAS number	[6151-25-3]
Chemical family	Flavonoids
Chemical name	3,3',4',5,7-Pentahydroxyflavone dihydrate
Molecular formula	C ₁₅ H ₁₀ O ₇ , 2H ₂ O
Molecular weight	338.27

CERTIFICATE OF ANALYSIS

Appearance	Yellow powder	
Melting point	314°C, dec	
Thin layer chromatography	Support	Silicagel
	Solvent	Toluene/ethylformate/formic acid (5/4/1, V/V/V)
	Detection	U.V.
Moisture	11.0 %	
Residual solvents	< 0.5%	
Absorption maxima	256, 271sh, 307sh, 372 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% H ₃ PO ₄ /methanol/acetonitrile (40/35/25, V/V/V)
Flow rate	1 ml/min
Detector	UV visible 254nm
Sample solvent	Methanol



Assay by an HPLC method.

Date of last QC-recheck

December 2012

Date of retest

December 2016

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