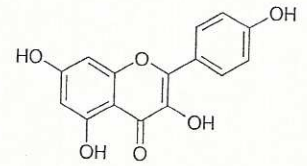




INDOFINE Chemical Company, Inc.

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HPLC

Lot No.: 13110825

KAEMPFEROL

021124S

IDENTIFICATION

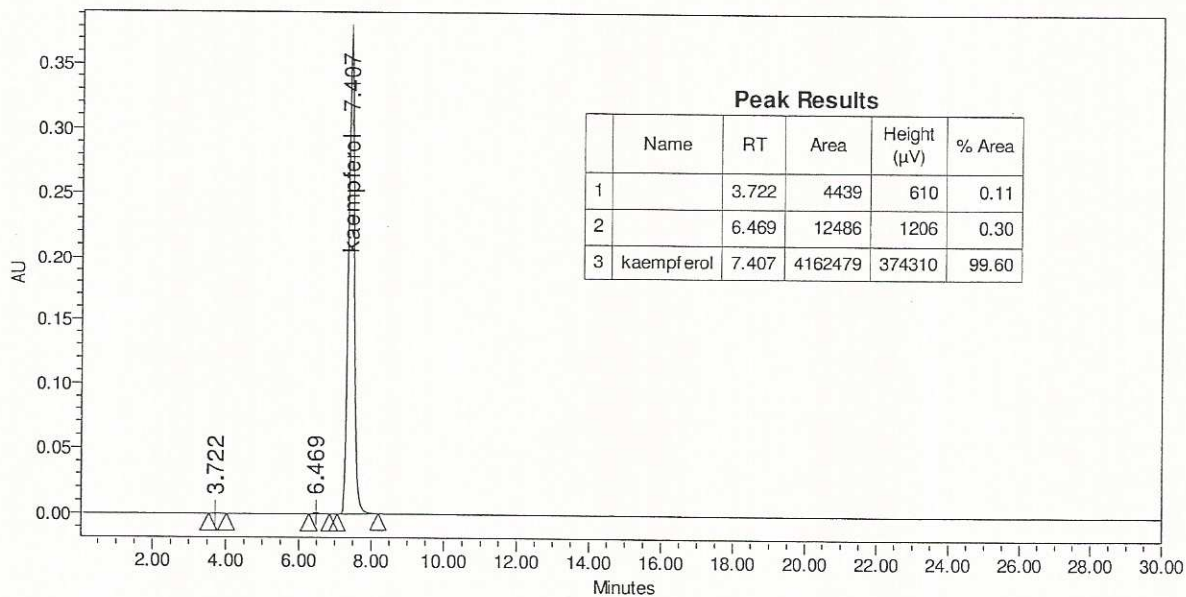
CAS number	[520-18-3]
Chemical family	Flavonoids
Synonym	3,4',5,7-Tetrahydroxyflavone
Molecular formula	C ₁₅ H ₁₀ O ₆
Molecular weight	286.25

CERTIFICATE OF ANALYSIS

Appearance	Yellow powder	
Melting point	277-279°C	
Moisture	2.6 %	
Residual solvents	1.6 %	
Thin layer chromatography	support	Silicagel
	solvent	Toluene/ethyl formate/formic acid (5/4/1, V/V/V)
	detection	U.V.
Absorption maxima	253sh, 267, 293sh, 325sh, 367 nm in ethanol	
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 / Methanol / Acetonitrile (45/20/35, V/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	August 2012
Date of retest	August 2016

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