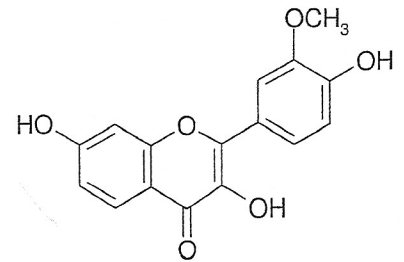




INDOFINE Chemical Company, Inc.

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HPLC **Batch: 05**

GERALDOL **021168S**

IDENTIFICATION

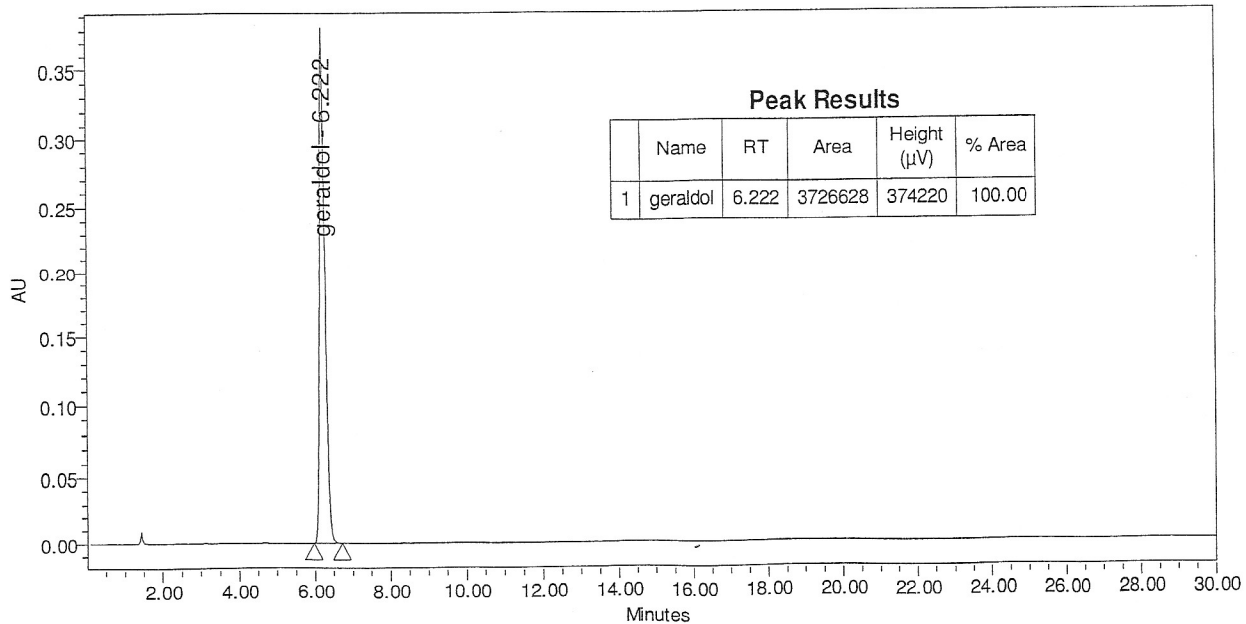
CAS number	[21511-25-1]
Chemical family	Flavonoids
Chemical names	3,4',7-Trihydroxy,3'-methoxyflavone
Molecular formula	C ₁₆ H ₁₂ O ₆
Molecular weight	300.28

CERTIFICATE OF ANALYSIS

Appearance	slightly yellow powder	
Melting point	308-309°C	
Moisture	<0.5%	
Residual solvent	<0.5%	
Thin layer chromatography	support	Silicagel
	solvent	Toluene/ethyl formate/formic acid, (5/4/1, V/V/V)
	detection	U.V.
Absorption maxima	247, 307sh, 320, 363 nm in ethanol + 0.5% dimethylsulfoxide	
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 (45/35/20, V/V/V)
Flow rate	1 ml/mn
Detector	UV visible 254 nm
Sample solvent	Dimethylsulfoxide / Ethanol (2/18, V/V)



Assay by an HPLC method.

Date of last QC-recheck : December 2011

Date of retest : December 2015

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