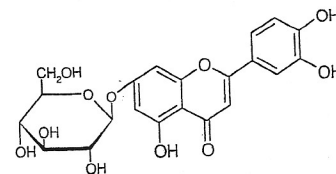




INDOFINE Chemical Company, Inc.

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HPLC

Batch: 12

LUTEOLIN-7-O-GLUCOSIDE

021126S

IDENTIFICATION

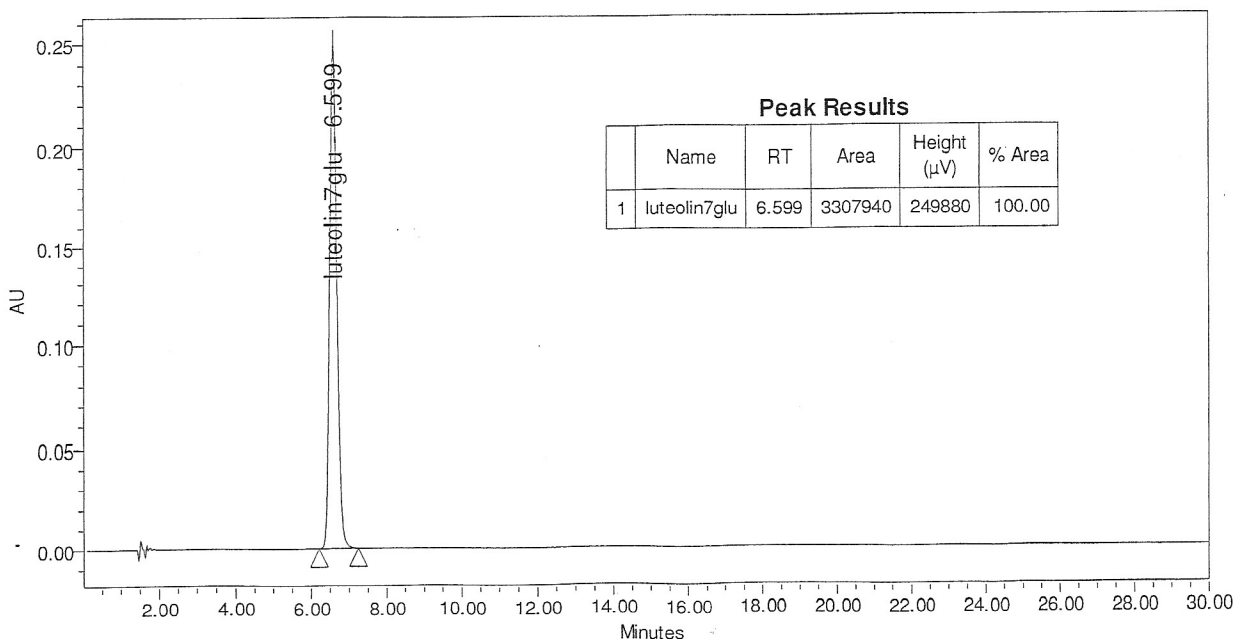
CAS number	[5373-11-5]
Synonym	Cynaroside
Chemical family	Flavonoids
Molecular formula	C ₂₁ H ₂₀ O ₁₁
Molecular weight	448.38

CERTIFICATE OF ANALYSIS

Appearance	Yellow powder
Melting point	229-230°C
Moisture	2.3%
Residual solvents	< 0.5%
Thin layer chromatography	support Silicagel solvent Ethylacetate/formic acid/acetic acid/water (100/11/11/23, V/V/V/V) detection U.V.
Absorption maxima	256, 267sh, 352 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 + 5% acetic acid / Methanol / Acetonitrile (65/25/10, V/V/V)
Flow rate	1 ml/min
Detector	UV visible 350 nm
Sample solvent	Dimethylsulfoxide / methanol (2/18, V/V)



Assay by an HPLC method.

Date of last QC-recheck : October 2012
Date of retest : October 2016

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