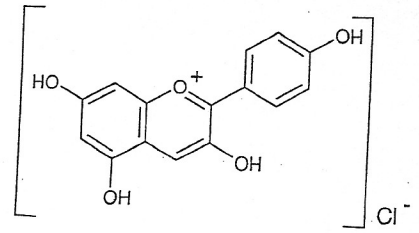




INDOFINE Chemical Company, Inc.

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HPLC **Batch: 29**

PELARGONIDIN CHLORIDE **020912S**

IDENTIFICATION

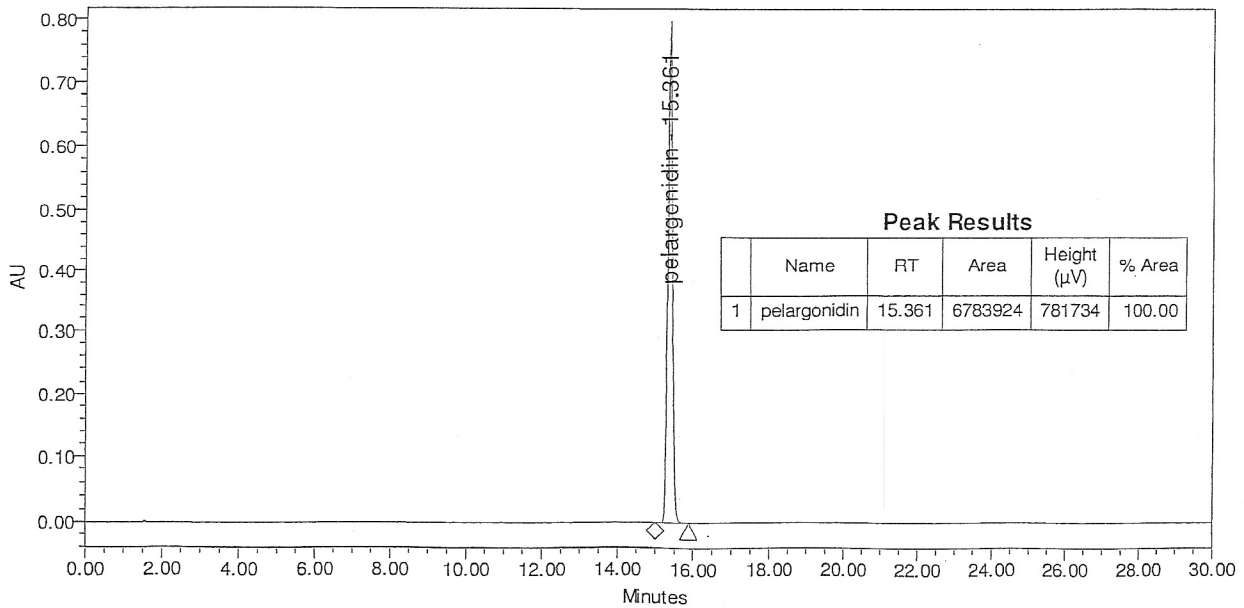
CAS number	[134-04-3]
Chemical family	Anthocyan
Synonym	3,4',5,7-Tetrahydroxyflavylium chloride
Molecular formula	C ₁₅ H ₁₁ O ₅ Cl
Molecular weight	306.7

CERTIFICATE OF ANALYSIS

Appearance	powder
Thin layer chromatography	support Silicagel
	solvent Ethyl acetate / formic acid / water (50/3/2, V/V/V)
	detection Visible
Absorption maxima	523 nm in methanol + 0.1% HCl
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	20 mn linear gradient from 5 to 60% B and 5 mn linear gradient from 60 to 100% B then 5 mn isocratic 100% B A=water + 10% formic acid B=methanol
Flow rate	1 ml/min
Detector	UV visible 515 nm
Sample solvent	Methanol + 0.1% HCl



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.