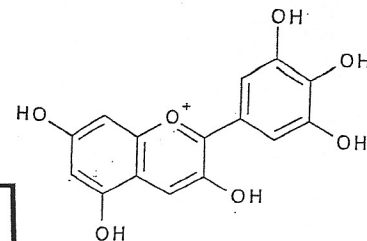


**INDOFINE Chemical Company, Inc.**

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**HPLC****Batch: 52****DELPHINIDIN CHLORIDE****020904S****IDENTIFICATION**

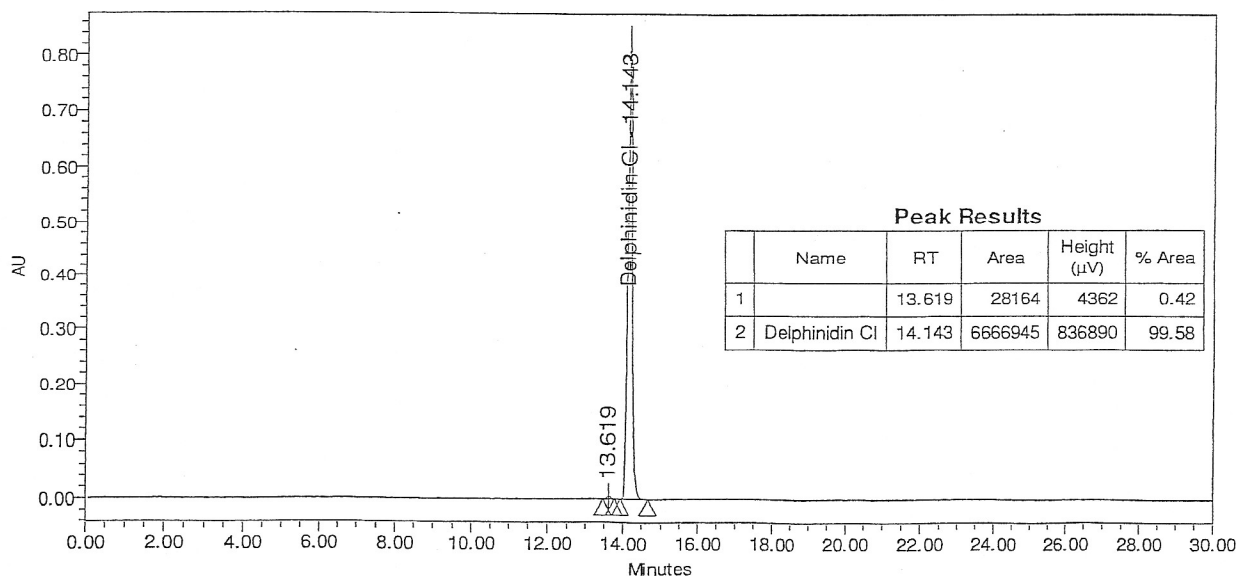
CAS number	[528-53-0]
Chemical family	Anthocyanins
Synonym	3,3',4',5,5',7-Hexahydroxyflavylium chloride
Molecular formula	C ₁₅ H ₁₁ O ₇ Cl
Molecular weight	338.7

CERTIFICATE OF ANALYSIS

Appearance	Powder
Thin layer chromatography	support Silicagel
	solvent Ethylacetate/formic acid / water (50/3/2 ; V/V/V)
	detection Visible
Absorption maxima	548 nm in methanol + HCl 0.1%
Storage	Store at room temperature in a dry and dark place. Place in a desiccator under vacuum before use.

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column	Atlantis dC18® (4.6 x 150 mm), particle size 3 µm
Solvent	20 min linear gradient from 5 to 60% B and 5 min linear gradient from 60 to 100% B then 5 min isocratic 100% B A=water + 10% formic acid B=methanol
Flow rate	1 ml/min
Detector	UV visible 530 nm
Sample solvent	Methanol + 0.1% HCl



Assay by an HPLC method.

Date of last QC-recheck March 2012

Date of retest March 2016

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