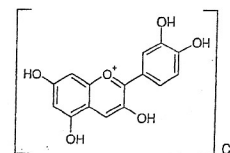


**INDOFINE Chemical Company, Inc.**

121 Stryker Lane, Building 30

Hillsborough, NJ 08844 USA

Phone: (908) 359-6778; Fax: (908) 359-1179

**HPLC****Lot No.: 13032234****CYANIDIN CHLORIDE****020909S****IDENTIFICATION**

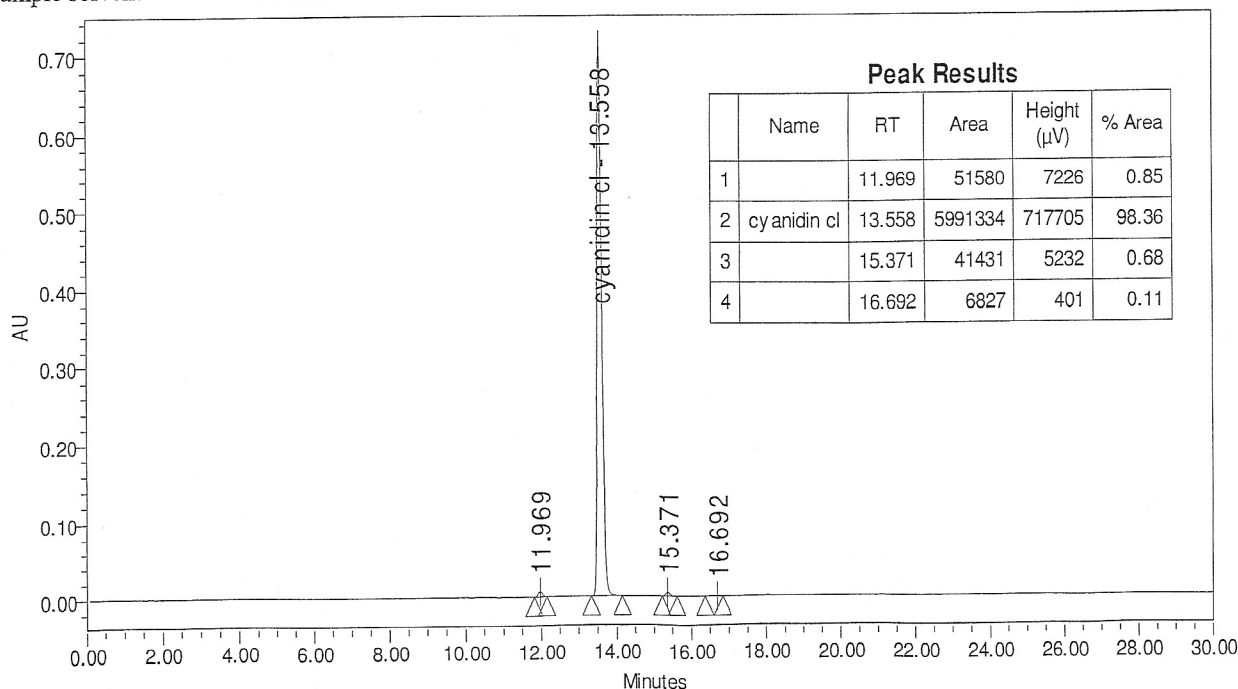
CAS number	[528-58-5]
Chemical family	Anthocyanins
Synonym	3,3',4',5,7-Pentahydroxyflavylium chloride
Molecular formula	C ₁₅ H ₁₁ O ₆ Cl
Molecular weight	322.7

CERTIFICATE OF ANALYSIS

Appearance	Powder
Thin layer chromatography	support Cellulose
	solvent Acetic acid/Water/Hydrochloric acid (70/23/7, V/V/V)
	detection Visible
Absorption maxima	537 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/mn
Detector	UV visible 528 nm
Sample solvent	Methanol + 0.1% HCl



Assay by an HPLC method.

Date of last QC-recheck : September 2012

Date of retest : September 2016

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