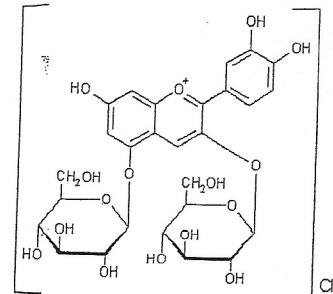


**INDOFINE Chemical Company, Inc.**

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**HPLC****Batch: 05****CYANIN CHLORIDE****020932S****IDENTIFICATION**

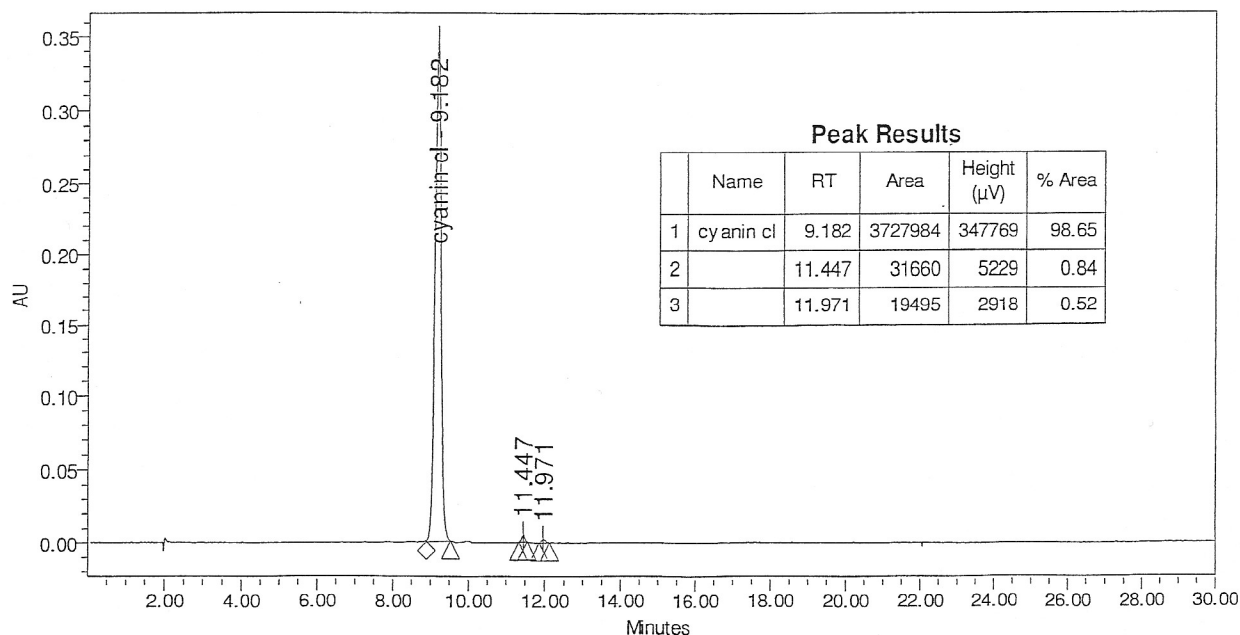
CAS number	[2611-67-8]
Chemical family	Anthocyanins
Chemical names	Cyanidin-3,5-diglucoside chloride
Molecular formula	C ₂₇ H ₃₁ O ₁₆ Cl
Molecular weight	646.99

CERTIFICATE OF ANALYSIS

Appearance	Powder
Thin layer chromatography	support Cellulose
	solvent Hydrochloric acid / acetic acid / water (7/70/23, V/V/V)
	detection Visible
Absorption maxima	525 nm in methanol + HCl 0.1%
Storage	Store at <-15°C in a dry and dark place. Place in a desiccator under vacuum for 48 hours before use

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column	Atlantis dC18® (4.6 x 150 mm), particle size 3 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 515 nm
Sample solvent	Methanol + 0.1% HCl



Assay by an HPLC method.

Date of last QC-recheck : July 2010

Date of retest: July 2014

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