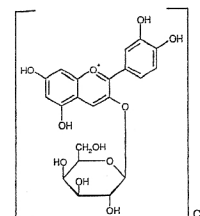


**INDOFINE Chemical Company, Inc.**

121 Stryker Lane, Building 30

Hillsborough, NJ 08844 USA

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

**HPLC****Batch: 16****IDEAIN CHLORIDE****020923S****IDENTIFICATION**

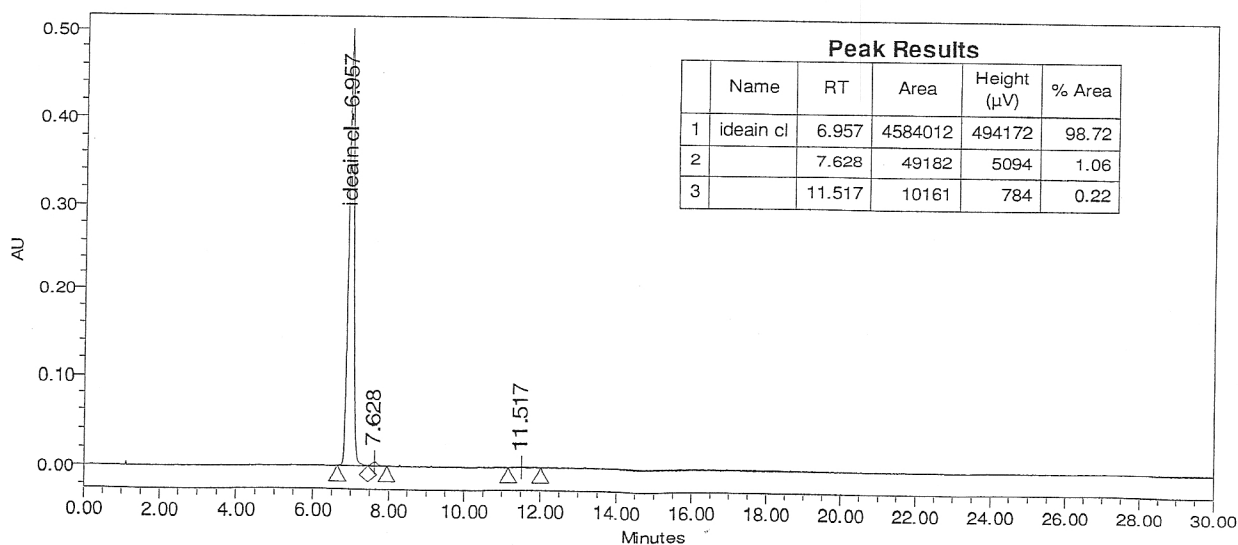
CAS Number	[27661-36-5]
Chemical family	Anthocyanins
Molecular formula	$C_{21}H_{21}O_{11}Cl$
Synonym	Cyanidin-3-O-galactoside chloride
Molecular weight	484.82

CERTIFICATE OF ANALYSIS

Appearance	Powder
Thin layer chromatography	support Silicagel
	solvent Ethylacetate/formic acid / water (10/3/2 ; V/V/V)
	detection Visible
Absorption maxima	529 nm in methanol + HCl 0.1%
Storage	Store at $<-15^{\circ}C$ in a dry and dark place. Place in a desiccator under vacuum for 48 hours before use

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column	Nova pak C18® (3.9 x 150 mm), particle size 4 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 517nm
Sample solvent	Methanol + 0.1% HCl



Assay by an HPLC method.

Date of last QC-recheck : September 2011

Date of retest : September 2015

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