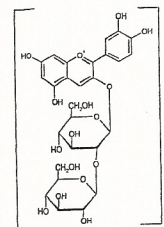




# INDOFINE Chemical Company, Inc.

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**HPLC** **Batch: 02**

**CYANIDIN-3-O-SOPHOROSIDE CHLORIDE 020937S**

### IDENTIFICATION

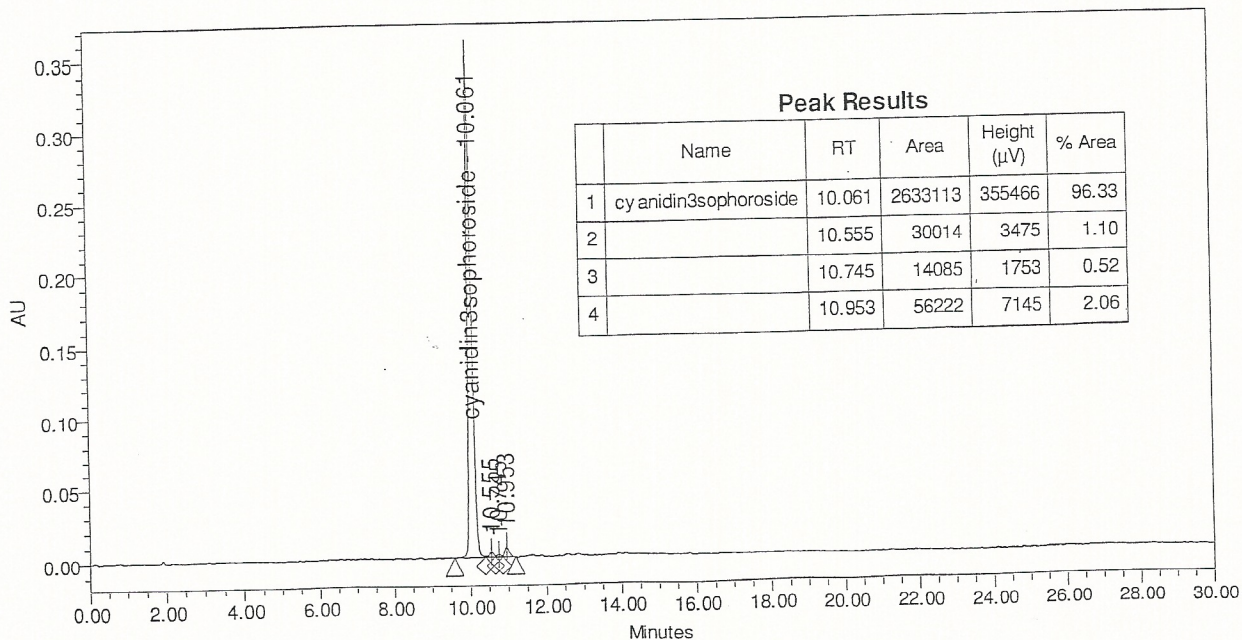
CAS number [38820-68-7]  
Chemical family Anthocyanins  
Molecular formula C<sub>27</sub>H<sub>31</sub>O<sub>16</sub>Cl  
Molecular weight 647.05

### CERTIFICATE OF ANALYSIS

Appearance Powder  
Thin layer chromatography support Silicagel  
solvent ethyl acetate / formic acid / water (10/3/2 , V/V/V)  
detection Visible  
Absorption maxima 526 nm in methanol + 0.1% HCl  
Storage Store at <-15°C 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 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 520 nm  
Sample solvent Methanol + 0.1% HCl



Assay by an HPLC method.  
Date of last QC-recheck  
Date of retest

December 2011  
December 2015

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