



# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

Catalog Number: 020915S

Product Name: **KUROMANIN CHLORIDE with HPLC**  
(Cyanidin-3-O-glucoside chloride, Chrysanthemine)

Gas Number: [7084-24-4]

Lot Number: 1906269

Chemical Formula: C<sub>21</sub>H<sub>21</sub>O<sub>11</sub>Cl

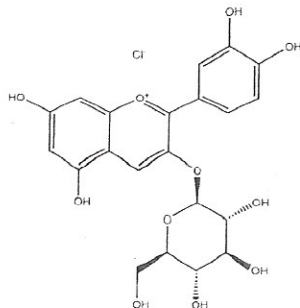
Molecular Weight: 484.84

Appearance: Dark red powder

Water Content: 0.35%

Storage: Store at -20°C in a dry, dark place. Protect from light.

Purity(HPLC): 98.46%



Prepared by:  
*Ramesh Mandadi*  
Ramesh Mandadi  
Director of Operations

Reviewed and approved by:  
*Sujata Moton*  
S. Moton  
VP



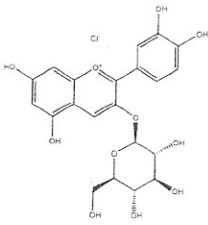
INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30

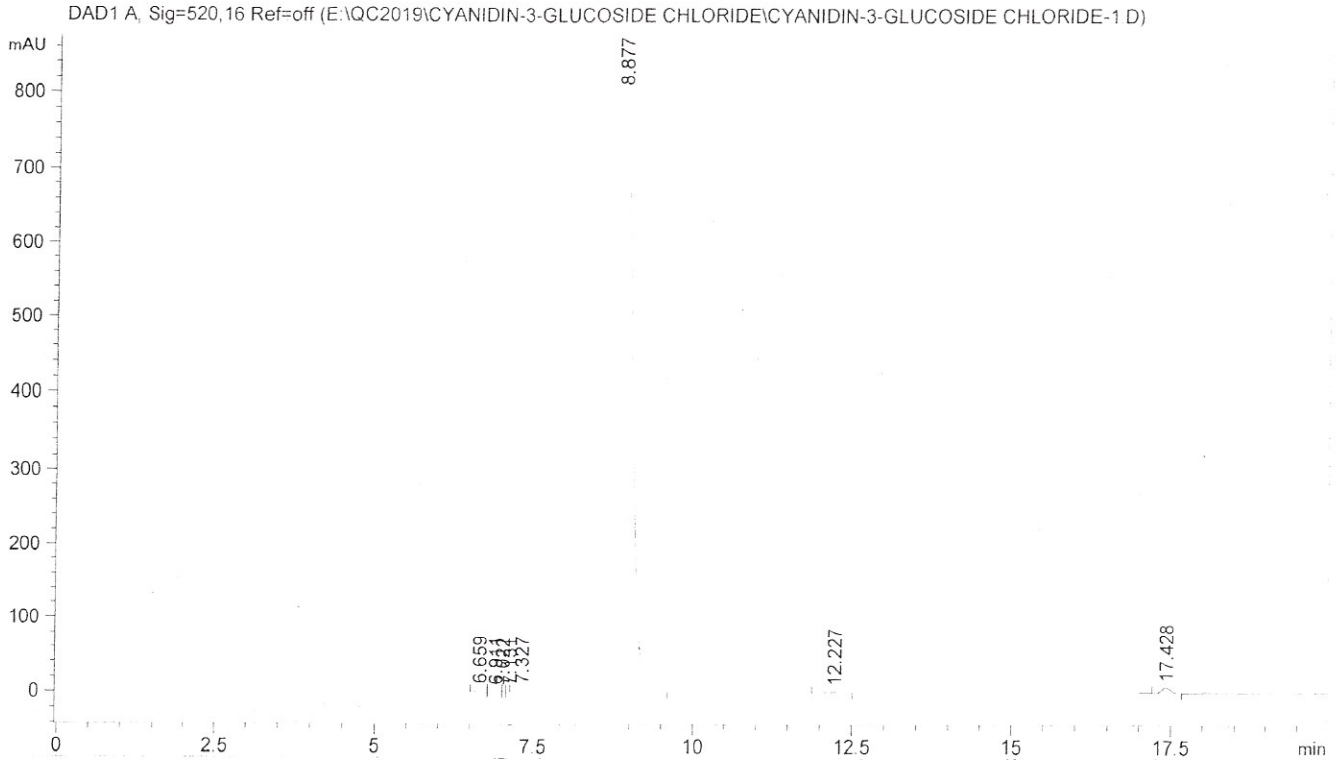
Hillsborough, NJ 08844 USA

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

## HPLC ANALYSIS



Catalog No.: 020915S  
Product Name: Kuromanin chloride  
Lot No.: 1906269



1: DAD1 A, Sig=520,16 Ref=off

#	min		min	mAU*s	mAU	%
1	6.659	BV	0.1217	26.32847	3.35093	0.2047
2	6.911	VV	0.1679	22.02260	1.83695	0.1712
3	7.022	VV	0.0545	4.32371	1.32145	0.0336
4	7.131	VV	0.0484	5.27006	1.38629	0.0410
5	7.327	VB	0.1989	48.44616	3.30773	0.3767
6	8.877	MM R	0.2535	1.26647e4	832.57281	98.4663
7	12.227	MM R	0.3435	19.30607	9.36931e-1	0.1501
8	17.428	VV	0.1597	71.56871	6.97841	0.5564

1.28620e4 851.69140

Prepared by:  
*Ramesh Mandadi*  
Ramesh Mandadi  
Director of Operations

Reviewed and Approved by:  
*Sujata Moton*  
Sujata Moton  
VP