



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

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Catalog Number: 020915S

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

Cas Number: [7084-24-4]

Lot Number: 2206682

Chemical Formula: $C_{21}H_{21}O_{11}Cl$

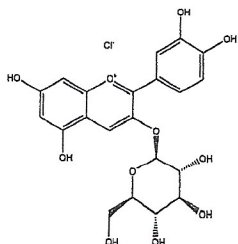
Molecular Weight: 484.84

Appearance: Dark purple powder

Loss on Drying: 1.2%

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

Purity(HPLC): 99.1%



Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and Approved by:
Sujata Moton
Sujata Moton
VP



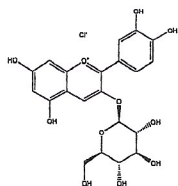
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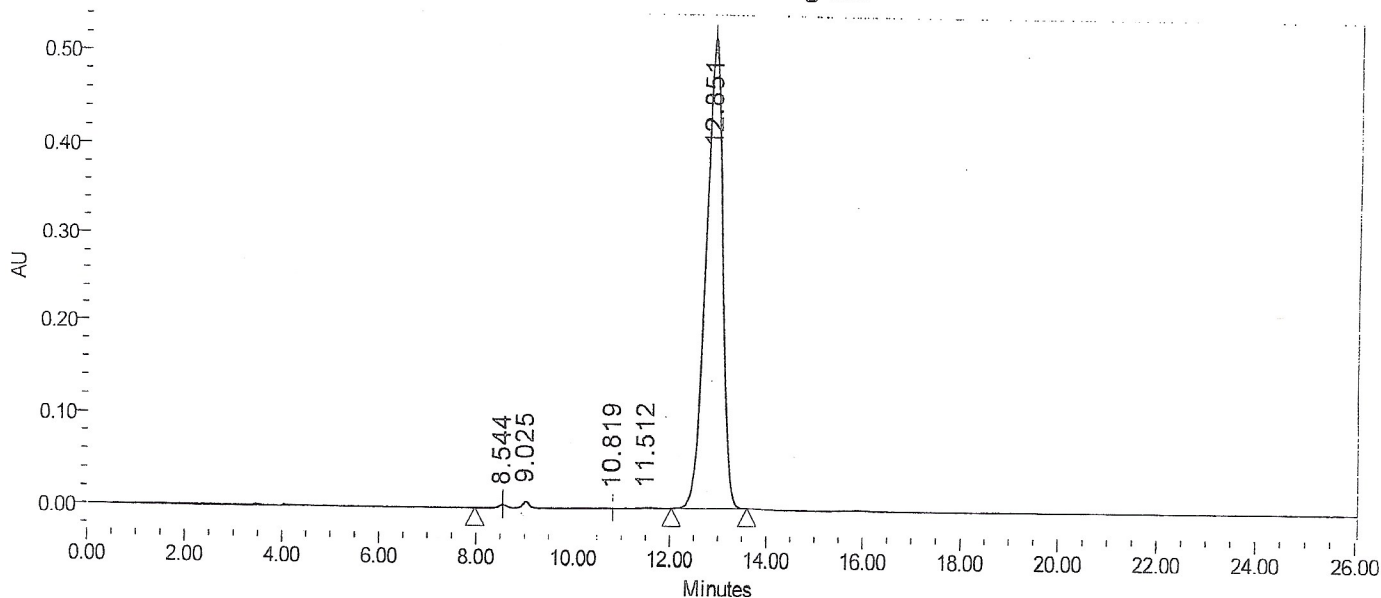
HPLC ANALYSIS

Catalog No.: 020915S
Product Name: Kuromanin chloride
Lot No.: 2206682

SAMPLE INFORMATION

Sample Name:	Cyanidin-3-glucoside chloride	Acquired By:	
Sample Type:	Unknown	Sample Set Name	
Vial:	74	Acq. Method Set:	Cyanidin 3 glucoside chloride
Injection #:	1	Processing Method	sample
Injection Volume:	10.00 ul	Channel Name:	PDA Ch1 520nm@4.8nm
Run Time:	30.0 Minutes	Proc. Chnl. Descr.:	PDA Ch1 520nm@4.8nm

Auto-Scaled Chromatogram



Peak Results

	Name	RT	Area	% Area	Height (μV)	USP Plate Count	USP Resolution
1		8.544	40784	0.33	3432	13649.16	
2		9.025	61606	0.49	5958	17930.28	1.64
3		10.819	3457	0.03	266	74233.02	8.97
4		11.512	10471	0.08	604	5778.86	2.47
5		12.851	12376538	99.07	519248	6580.08	2.47