

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

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CERTIFICATE OF ANALYSIS

Catalog Number: 020915S

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

Cas Number: [7084-24-4]

Lot Number: 1801898

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

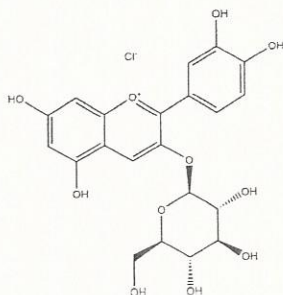
Molecular Weight: 484.84

Appearance: Purple black solid

Loss on drying: 1.34%

Storage: Store at $-20^{\circ}C$ in a dry, dark place. Protect from light.

Purity(HPLC): 98.56%





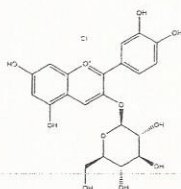
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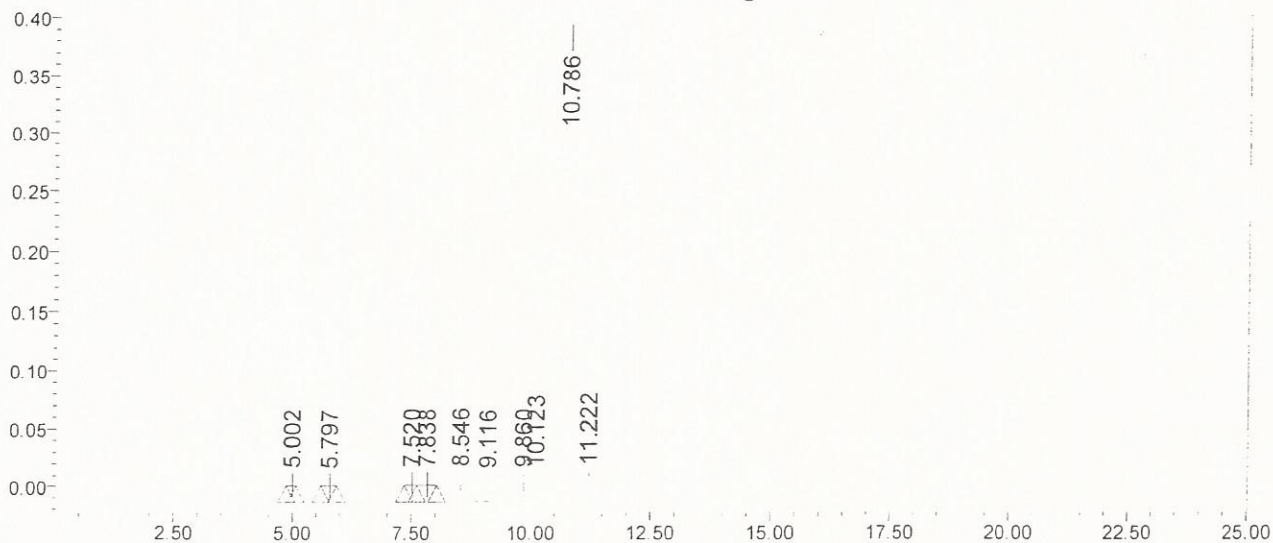
HPLC ANALYSIS

Catalog No.: 020915S
Product Name: Kuromanin chloride
Lot No.: 1801898

SAMPLE INFORMATION

Sample Name:	Cyanidin 3 glucoside chloride	Acquired By:	System
Sample Type:	Standard	Sample Set Name:	
Vial:	63	Acq. Method Set:	Cyanidin 3 glucoside chloride
Injection #:	1	Processing Method:	Samples
Injection Volume:	10.00 ul	Channel Name:	520.0nm
Run Time:	25.0 Minutes	Proc. Chnl. Descr.:	PDA 520.0 nm

Auto-Scaled Chromatogram



Peak Results

	RT	Area	% Area	USP Plate Count	USP Resolution
1	5.002	6858	0.10	21815.26	
2	5.797	5935	0.08	12065.21	3.28
3	7.520	12425	0.17	24272.84	6.39
4	7.838	15086	0.21	16811.72	1.46
5	8.546	19758	0.27	23494.83	3.04
6	9.116	3800	0.05	22973.62	2.47
7	9.860	9840	0.14	19822.17	
8	10.123	8432	0.12		
9	10.786	7084183	98.56	7733.26	
10	11.222	21607	0.30		