



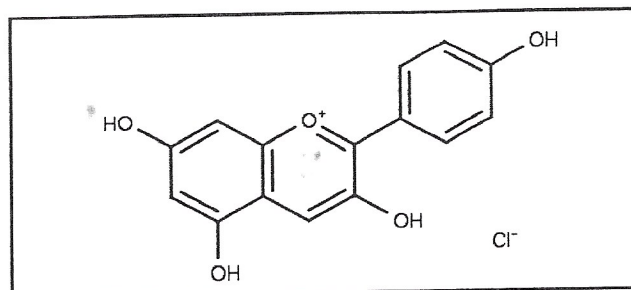
# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30  
Hillsborough, NJ 08844 USA  
Phone: (908) 359-6778; Fax: (908) 359-1179

## Certificate Of Analysis

**020912S**      **PELARGONIDIN CHLORIDE**      **Lot No.: 20082039**

CAS RN	134-04-3
MOL FORMULA	C <sub>15</sub> H <sub>11</sub> O <sub>5</sub> Cl
MOL WEIGHT	306,70



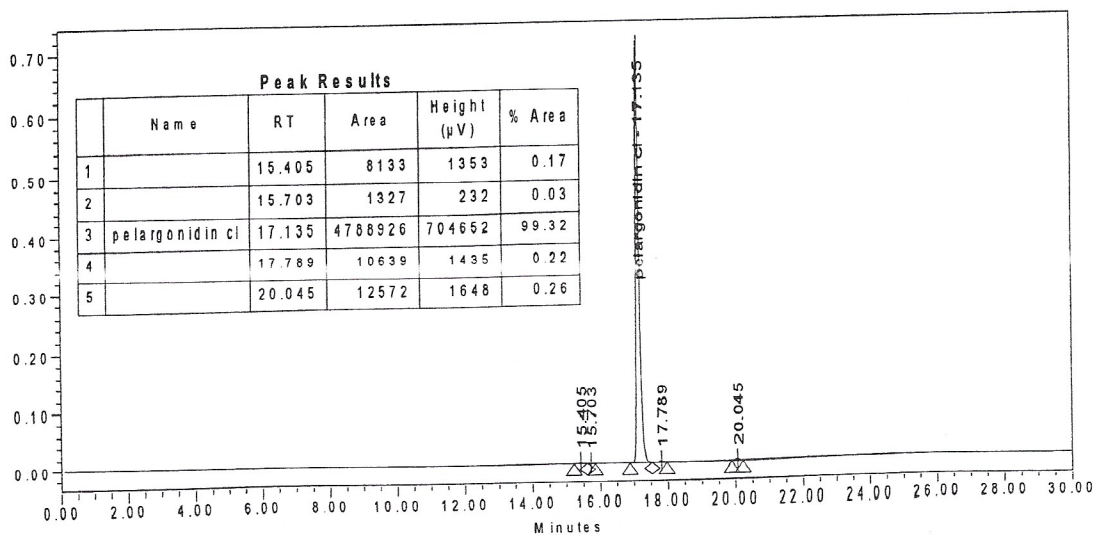
TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		Dark powder	Conform
Potency	UV		ε (523 nm, MeOH+0,1% HCl) = 32 400 +/- 1500	31800
Water content	KF	% w/w		10,3
Residual solvents	GC-HS	% w/w		1,5
Inorganics	ICP-MS	% w/w		0,1
Purity	HPLC	% area	≥ 97,0	99,3
Assay	Calculated (*)	% w/w		87,5

(\*) Assay = Purity by HPLC x (100 - %water - %solvents - %inorganics)

### CHROMATOGRAPHIC PURITY / HPLC

Column : Atlantis dC18 - 4,6x150 mm - 3 μm  
 Mobile phase : Gradient: B from 5% to 60% in 20 min then 60% to 100% in 5 min then 5 min isocratic 100%  
 A = Water + 10% HCOOH / B = MeOH  
 Detection : UV 515 nm

Temperature : 30°C  
 Flow rate : 1 ml/min  
 Injection volume : 5 μl  
 Injection solvent : MeOH + 0,1% HCl



LONG TERM STORAGE : Below -15°C in a dry and dark place

TRANSPORT CONDITIONS : Ambient temperature