



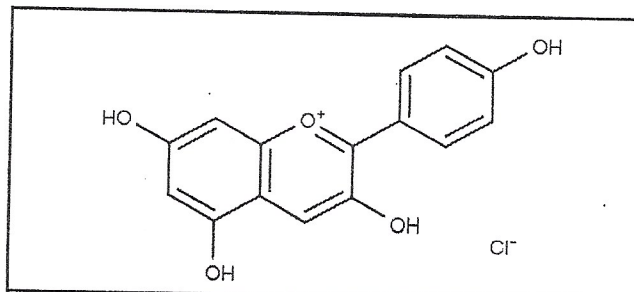
# INDOFINE Chemical Company, Inc.

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## Certificate Of Analysis

**020912S**      **PELARGONIDIN CHLORIDE**      **Lot No.: 22040840**

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		$\epsilon$ (523 nm, MeOH+0,1% HCl) = 32 400 +/- 1500	32910
Water content	KF	% w/w		9,2
Residual solvents	GC-HS	% w/w		0,4
Inorganics	ICP-MS	% w/w		0,3
Purity	HPLC	% area	$\geq 97,0$	99,6
Assay	Calculated (*)	% w/w		89,7

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

### CHROMATOGRAPHIC PURITY / HPLC

Column : Atlantis dC18 - 4,6x150 mm - 3  $\mu$ m

Temperature : 30°C

Mobile phase :

Gradient: B from 5% to 60% in 20 min then 60% to 100% in 5 min then 5 min isocratic 100%

Flow rate : 1 ml/min

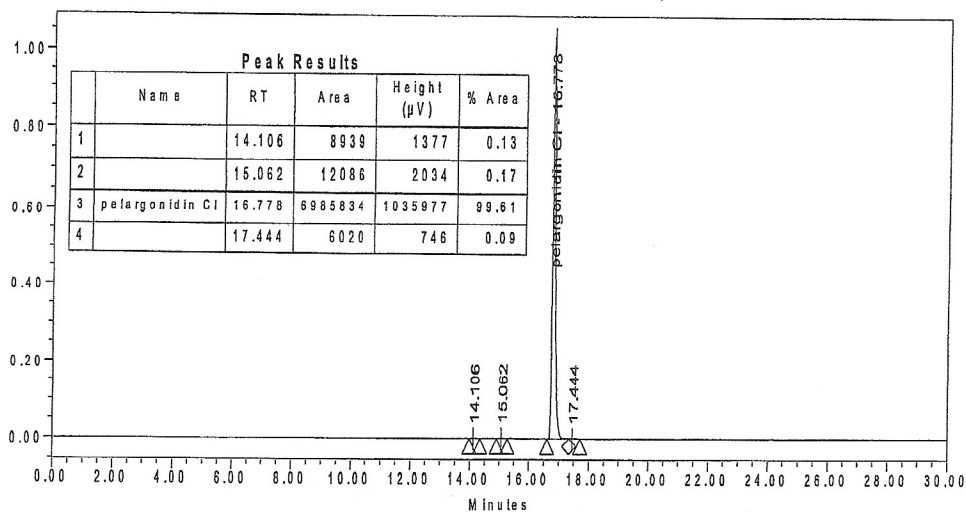
A = Water + 10% HCOOH / B = MeOH

Injection volume : 5  $\mu$ l

Detection :

UV 515 nm

Injection solvent : MeOH + 0,1% HCl



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

TRANSPORT CONDITIONS : Ambient temperature