



INDOFINE Chemical Company, Inc.

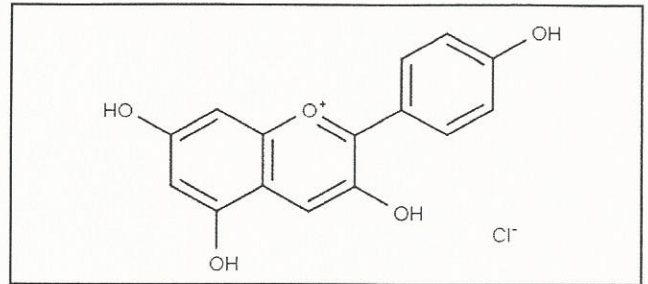
121 Stryker Lane, Bldg. 30
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Certificate Of Analysis

020912S

PELARGONIDIN CHLORIDE Lot No.: 18101736

CAS RN	134-04-3
MOL FORMULA	C ₁₅ H ₁₁ O ₅ 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	32790
Water content	KF	% w/w		10,2
Residual solvents	GC-HS	% w/w		0,6
Inorganics	ICP-MS	% w/w		< 0,1
Purity	HPLC	% area	$\geq 97,0$	100
Assay	Calculated (*)	% w/w		89,2

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

CHROMATOGRAPHIC PURITY / HPLC

Column : Symmetry Shield RP18 - 4,6x150 mm - 3,5 μ m

Temperature : 30°C

Flow rate : 1 ml/min

Mobile phase :

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

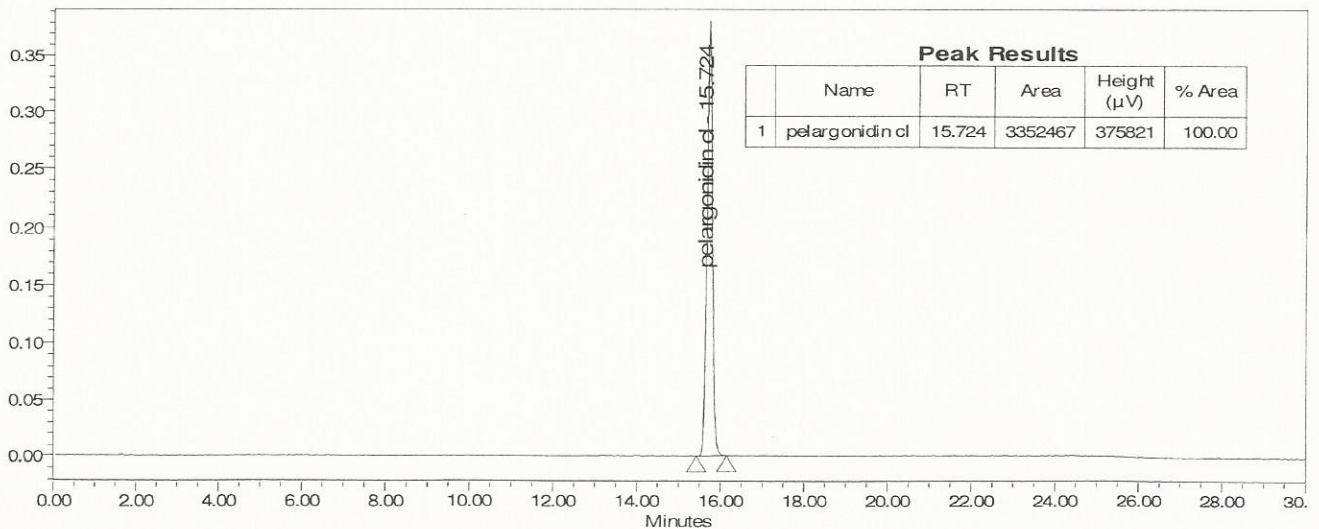
A = Water + 10% HCOOH / B = MeOH

Injection volume : 5 μ l

Detection :

UV 515 nm

Injection solvent : MeOH + 0,1% HCl



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