



# INDOFINE Chemical Company, Inc.

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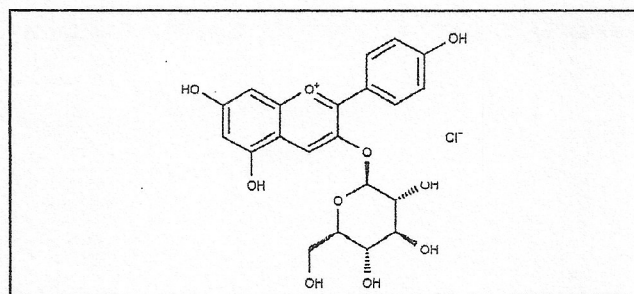
## Certificate Of Analysis

020907S

CALLISTEPHIN CHLORIDE

Lot No.: 24033125

CAS RN	18466-51-8
MOL FORMULA	C <sub>21</sub> H <sub>21</sub> O <sub>10</sub> Cl
MOL WEIGHT	468,84



TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		Dark powder	Conform
Potency	UV		$\epsilon$ (510 nm, MeOH+0,1% HCl) = 28 500 +/- 2000	29780
Water content	KF	% w/w		3,0
Residual solvents	GC-HS	% w/w		3,1
Inorganics	ICP-MS	% w/w		0,8
Purity	HPLC	% area	$\geq 95,0$	99,3
Assay	Calculated (*)	% w/w		92,4

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

### CHROMATOGRAPHIC PURITY / HPLC

Column :

Atlantis dC18 - 4,6x150 mm - 3  $\mu$ 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%

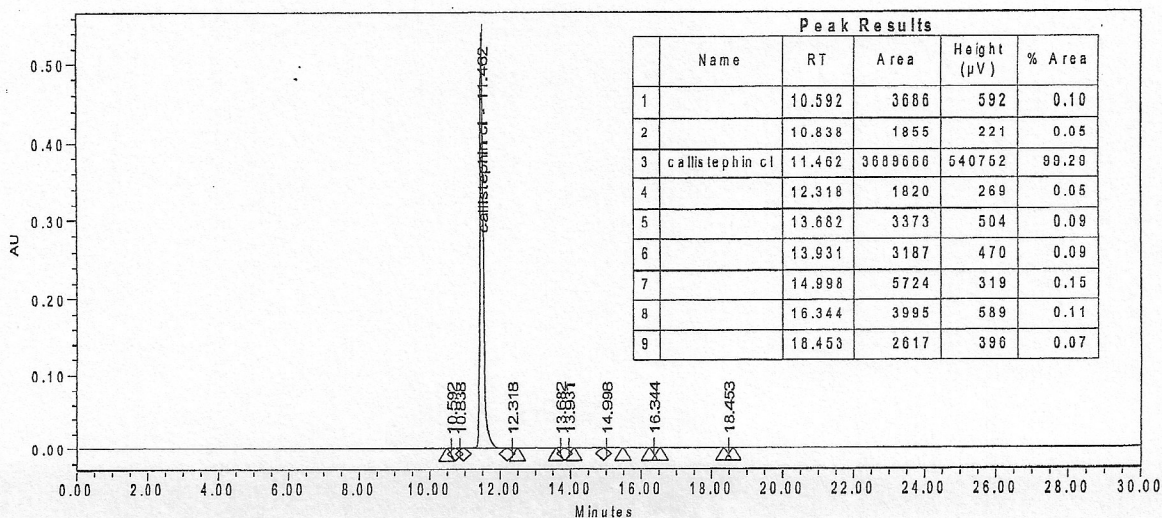
A = Water + 10% HCOOH / B = MeOH

Injection volume : 5  $\mu$ l

Detection :

UV 500 nm

Injection solvent : MeOH + 0,1% HCl



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