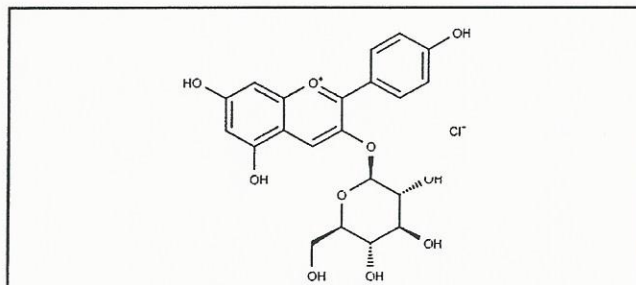


**INDOFINE Chemical Company, Inc.**

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Certificate Of Analysis**020907S****CALLISTEPHIN CHLORIDE****Lot No.: 16030522**

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



TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		Dark powder	Conform
Potency	UV		ϵ (510 nm, MeOH+0,1% HCl) = 28 500 +/- 2000	30 210
Water content	KF	% w/w		2,1
Residual solvents	GC-HS	% w/w		1,7
Inorganics	ICP-MS	% w/w		0,3
Purity	HPLC	% area	$\geq 95,0$	99,7
Assay	Calculated (*)	% w/w		95,6

(*) 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.

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

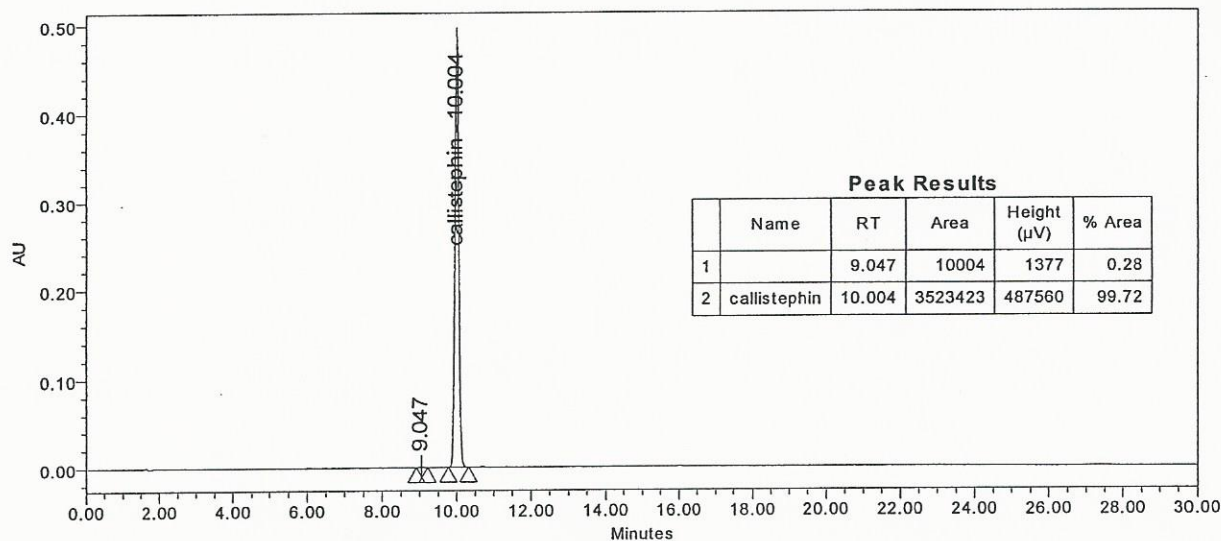
A = Water + 10% HCOOH / B = MeOH

Injection volume : 5 μ l

Detection :

UV 500 nm

Injection solvent : MeOH + 0,1% HCl



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