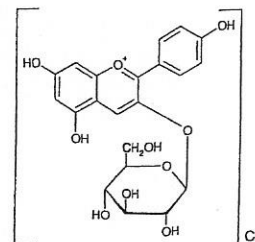


**INDOFINE Chemical Company, Inc.**

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**HPLC****Batch: 17****CALLISTEPHIN CHLORIDE****020907S****IDENTIFICATION**

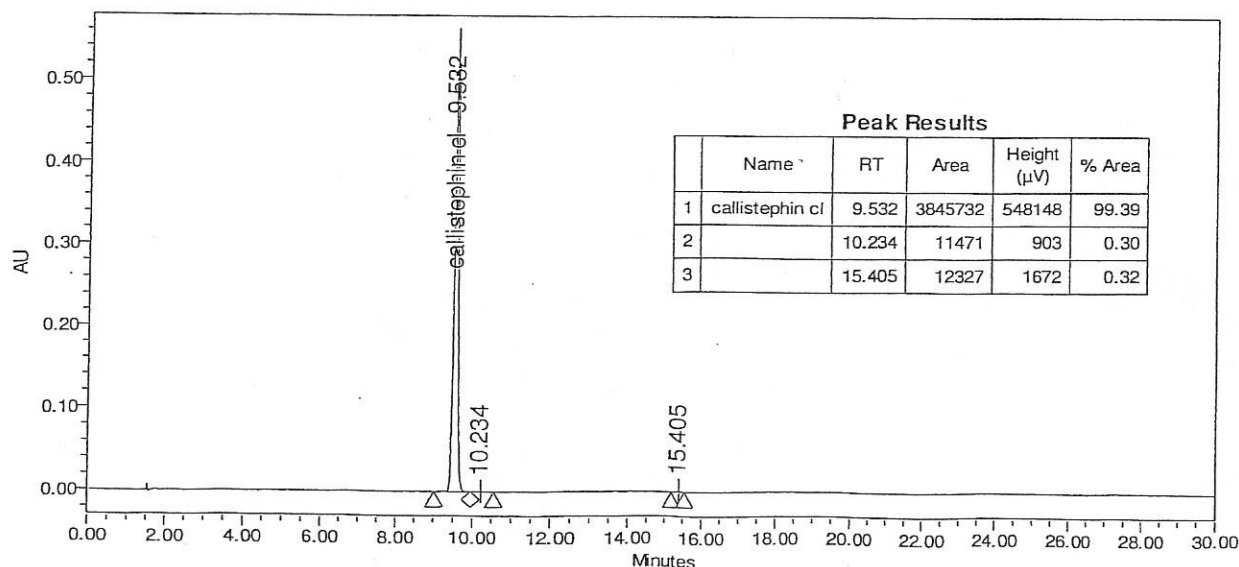
CAS number	[18466-51-8]
Chemical family	Anthocyan
Synonym	Pelargonidin-3-O-glucoside chloride
Molecular formula	C ₂₁ H ₂₁ O ₁₀ Cl
Molecular weight	468.84

CERTIFICATE OF ANALYSIS

Appearance	Powder
Thin layer chromatography	support Cellulose
	solvent Acetic acid/Water/Hydrochloric acid (70/23/7, V/V/V)
	detection Visible
Absorption maxima	509 nm in methanol + 0.1% HCl
Storage	Store at <-15°C in a dry and dark place. Place in a desiccator under vacuum before use

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column	Symmetry Shield RP18® (4.6 x 150 mm), particle size 3.5 µm
Solvent	20 mn linear gradient from 5 to 60% B and 5 mn linear gradient from 60 to 100% B then 5 mn isocratic 100% B A=water + 10% formic acid B=methanol
Flow rate	1 ml/mn
Detector	UV visible 500 nm
Sample solvent	Methanol + 0.1% HCl



Assay by an HPLC method.

The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.