



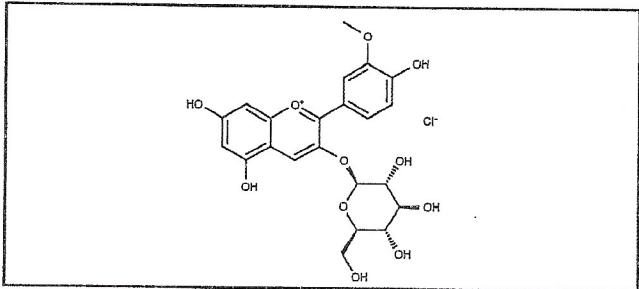
INDOFINE Chemical Company, Inc.

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Certificate Of Analysis

020929 PEONIDIN-3-O-GLUCOSIDE CHLORIDE Lot No.: 22091726

CAS RN	6906-39-4
MOL FORMULA	C ₂₂ H ₂₃ O ₁₁ Cl
MOL WEIGHT	498,85



TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		Dark powder	Conform
Potency	UV		ϵ (526 nm, MeOH+0,1% HCl)= 32370 +/- 2000	31 670
Water content	KF	% w/w		6,5
Residual solvents	GC-HS	% w/w		0,5
Inorganics	ICP-MS	% w/w		0,4
Purity	HPLC	% area	$\geq 95\%$	98,8
Assay	Calculated (*)	% w/w		91,5

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

CHROMATOGRAPHIC PURITY / HPLC

Column : Atlantis dC18 - 4,6x150 mm - 3 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

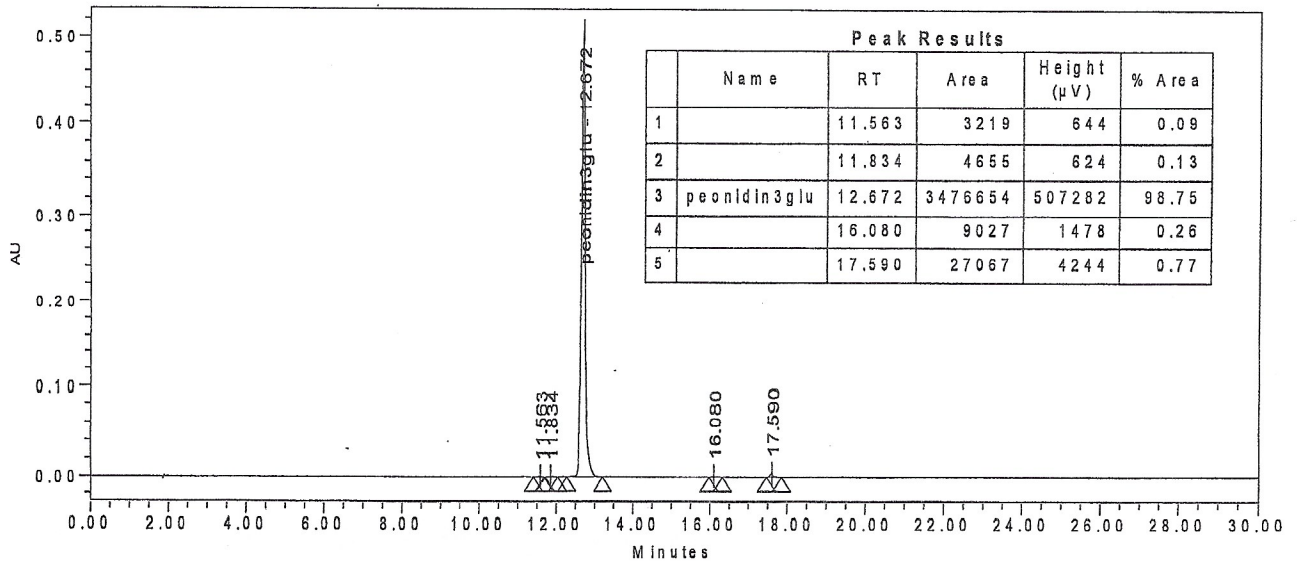
A = Water + 10% HCOOH / B = MeOH

Injection volume : 5 μ l

Detection :

UV 520 nm

Injection solvent : MeOH + 0,1% HCl



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