

**INDOFINE Chemical Company, Inc.**

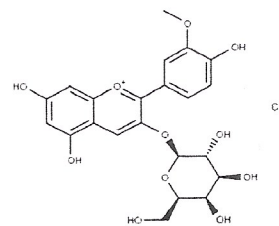
121 Stryker Lane, Bldg. 30

Hillsborough, NJ 08844 USA

Phone: (908) 359-6778; Fax: (908) 359-1179

Certificate Of Analysis**020920S PEONIDIN-3-O-GALACTOSIDE CHLORIDE Lot No.: 20010301**

CAS RN	28148-89-2
MOL FORMULA	C ₂₂ H ₂₃ O ₁₁ Cl
MOL WEIGHT	498,87



TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		Powder	Conform
Potency	UV		ϵ (528 nm, MeOH+0,1% HCl) = 34300 +/- 3000	35000
Water content	KF	% w/w		2,3
Residual solvents	GC-HS	% w/w		< 0,1
Inorganics	ICP-MS	% w/w		0,2
Purity	HPLC	% area	$\geq 95,0$	95,6
Assay	Calculated (*)	% w/w		93,2

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

CHROMATOGRAPHIC PURITY / HPLCColumn : Atlantis dC18 - 4,6x150 mm -3 μ mMobile 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

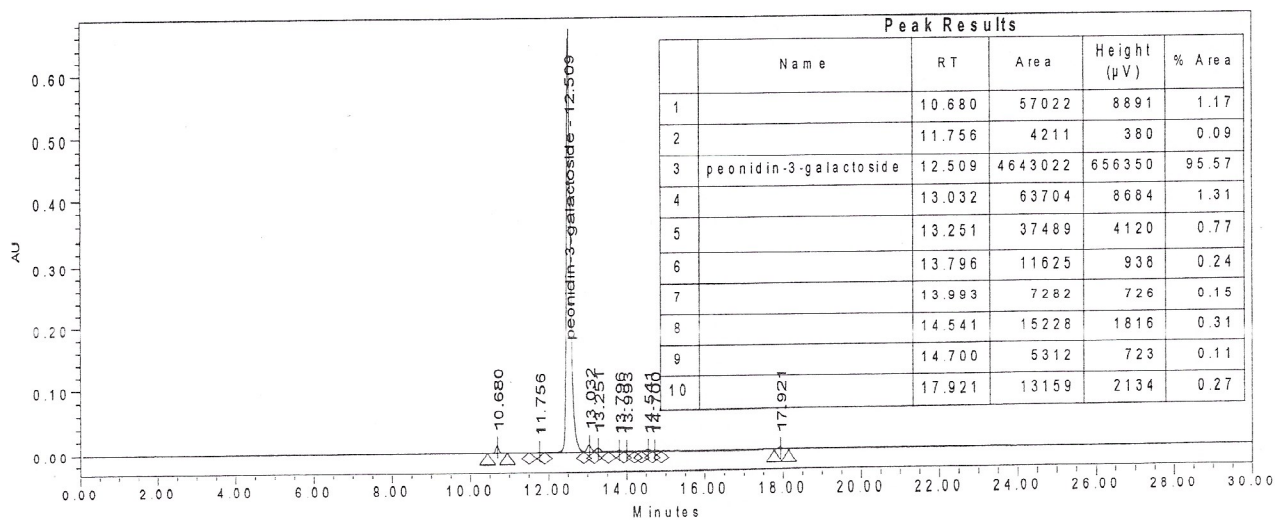
Detection : UV 520 nm

Temperature : 30°C

Flow rate : 1 ml/min

Injection volume : 5 μ l

Injection solvent : MeOH + 0,1% HCl



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