



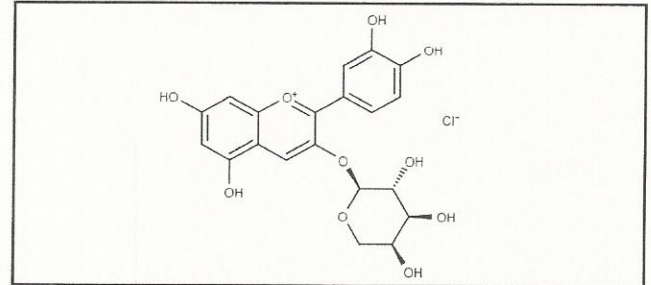
INDOFINE Chemical Company, Inc.

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Certificate Of Analysis

020908S CYANIDIN-3-O-ARABINOSIDE Lot No.: 18021706

CAS RN	27214-72-8
MOL FORMULA	C ₂₀ H ₁₉ O ₁₀ Cl
MOL WEIGHT	454,81



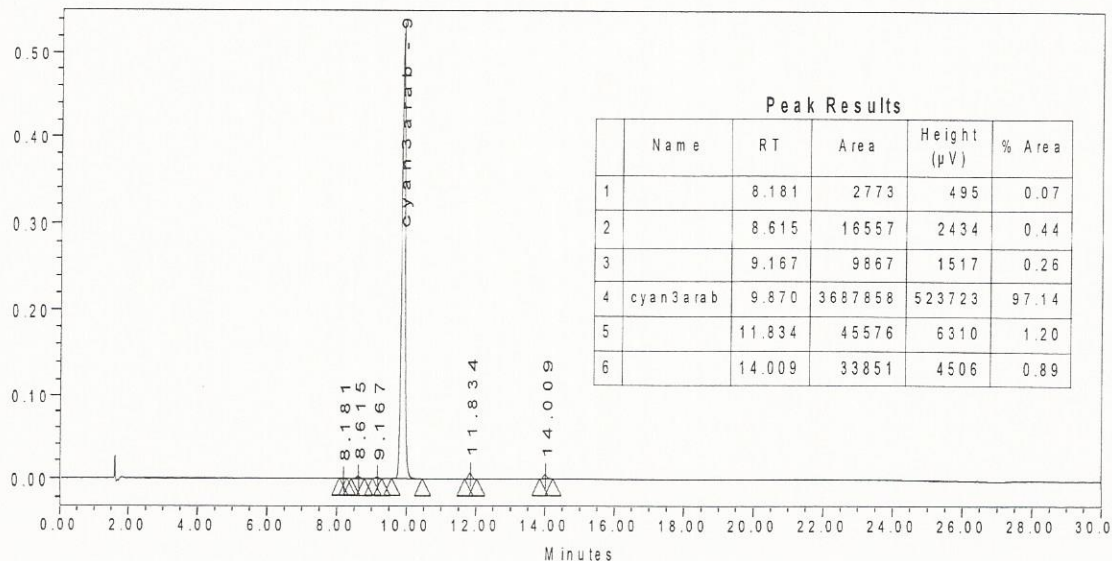
TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		Dark powder	Conform
Potency	UV		ϵ (530 nm, MeOH+0,1% HCl) = 31 570 +/- 2500	32710
Water content	KF	% w/w		3,2
Residual solvents	GC-HS	% w/w		0,8
Inorganics	ICP-MS	% w/w		1,7
Purity	HPLC	% area	$\geq 95,0$	97,1
Assay	Calculated (*)	% w/w		91,6

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

CHROMATOGRAPHIC PURITY / HPLC

Column : Symmetry Shield RP18 - 4,6x150 mm - 3,5 μ m
 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
 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