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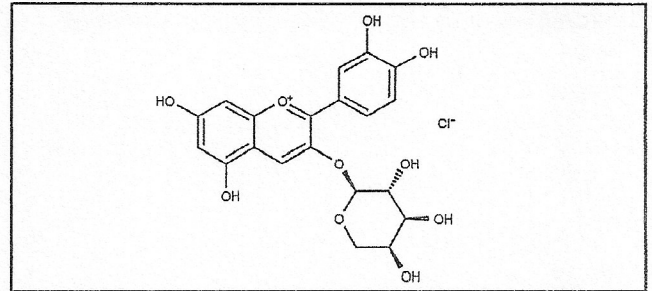
Certificate Of Analysis

020908S

CYANIDIN-3-O-ARABINOSIDE CHLORIDE

Lot No.: 24112509

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



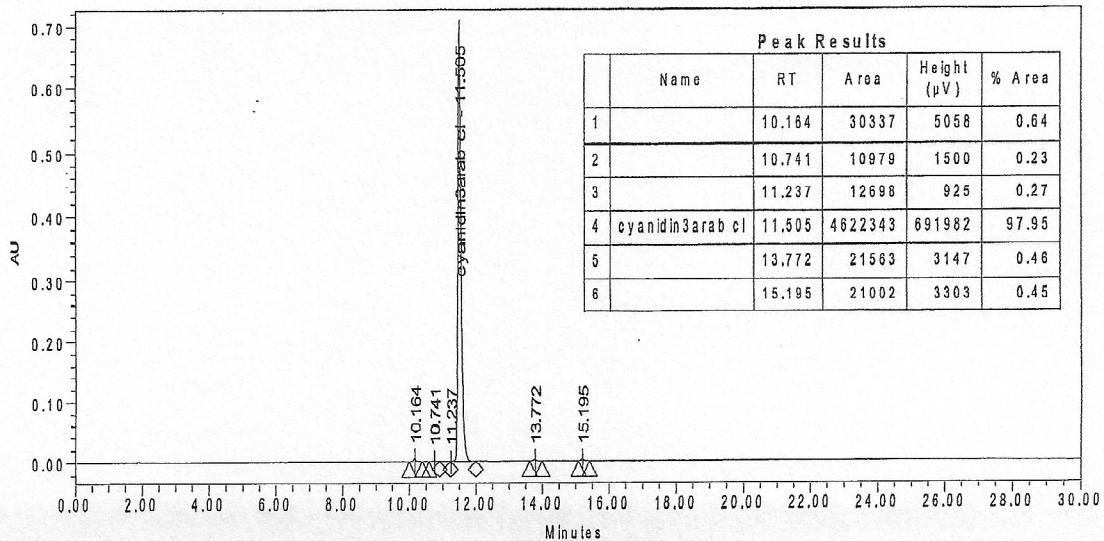
TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		Dark powder	Conform
Potency	UV		ϵ (530 nm, MeOH+0,1% HCl) = 34500 +/- 2500	35060
Water content	KF	% w/w		2,9
Residual solvents	GC-HS	% w/w		0,8
Inorganics	ICP-MS	% w/w		0,3
Purity	HPLC	% area	$\geq 95,0$	98,0
Assay	Calculated (*)	% w/w		94,1

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

CHROMATOGRAPHIC PURITY / HPLC

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