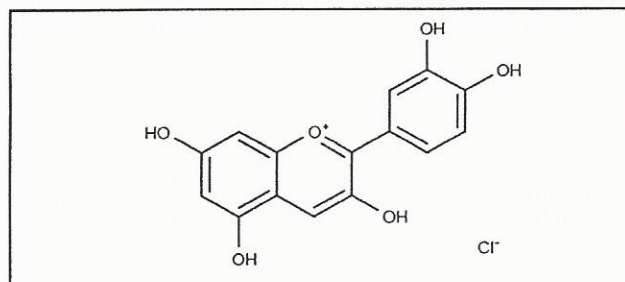


**INDOFINE Chemical Company, Inc.**

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Certificate Of Analysis**020909S****CYANIDIN CHLORIDE****Lot No.: 17010737**

CASRN	528-58-5
MOL FORMULA	C ₁₅ H ₁₁ O ₆ Cl
MOL WEIGHT	322,70



TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		Dark powder	Conform
Potency	UV		ϵ (538 nm, MeOH+0,1% HCl) = 34 500 +/- 3000	35 620
Water content	KF	%w/w		9,2
Residual solvents	GC-HS	%w/w		1,2
Inorganics	ICP-MS	%w/w		0,1
Purity	HPLC	%area	$\geq 96,0$	96,9
Assay	Calculated (*)	%w/w		86,7

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

CHROMATOGRAPHIC PURITY / HPLC

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

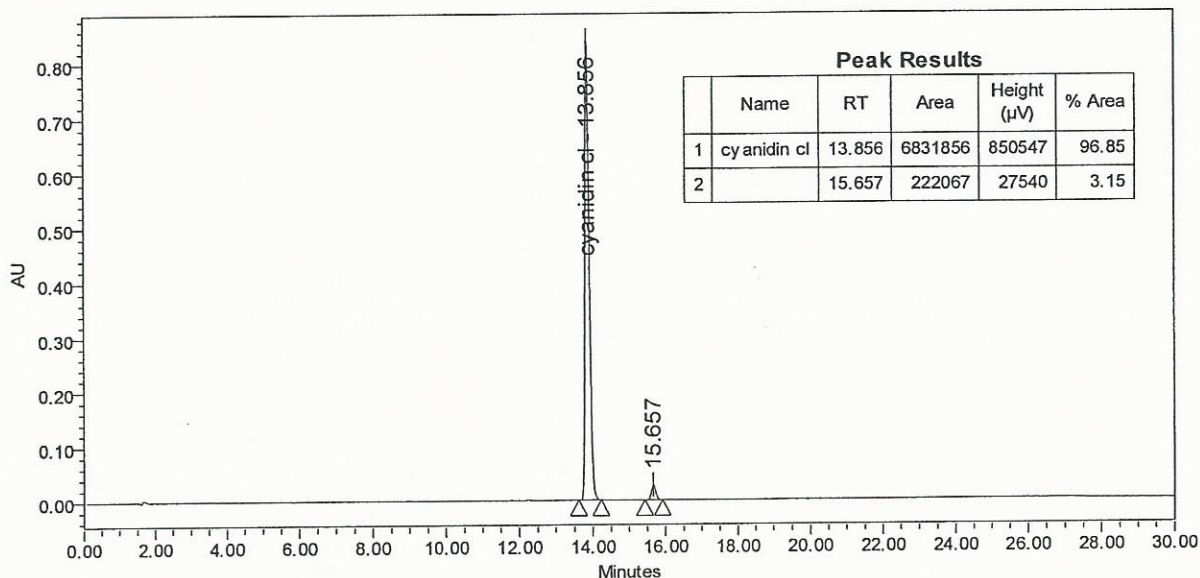
A = Water + 10% HCOOH / B = MeOH

Injection volume: 5 μ l

Detection:

UV 528 nm

Injection solvent: MeOH + 0,1% HCl



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