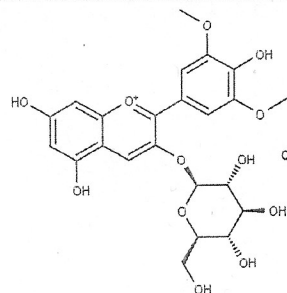


**INDOFINE Chemical Company, Inc.**

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Hillsborough, NJ 08844 USA
Phone: (908) 359-6778; Fax: (908) 359-1179

Certificate Of Analysis**020911S****OENIN CHLORIDE****Lot No.: 25061441**

CAS RN	7228-78-6
MOL FORMULA	C ₂₃ H ₂₅ O ₁₂ Cl
MOL WEIGHT	528,87



TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		Dark powder	Conform
Potency	UV		ϵ (538 nm, MeOH+0,1% HCl) = 35 000 +/- 3000	36 220
Water content	KF	% w/w		4,6
Residual solvents	GC-HS	% w/w		2,5
Inorganics	ICP-MS	% w/w		0,3
Purity	HPLC	% area	$\geq 95,0$	97,9
Assay	Calculated (*)	% w/w		90,7

(*) 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 530 nm

Temperature : 30°C

Flow rate : 1 ml/min

Injection volume : 5 μ l

Injection solvent : MeOH + 0,1% HCl

