INDOFINE Chemical Company, Inc.
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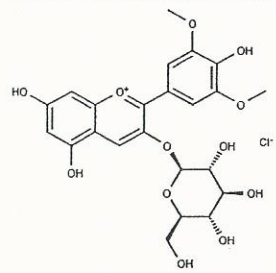
Certificate Of Analysis

020911S OENIN CHLORIDE Lot No.: 17120933

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	36430
Water content	KF	% w/w		3,2
Residual solvents	GC-HS	% w/w		< 0,1
Inorganics	ICP-MS	% w/w		0,1
Purity	HPLC	% area	≥ 95,0	95,5
Assay	**Calculated (*)**	**% w/w**		**92,3**

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

CHROMATOGRAPHIC PURITY / HPLC

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

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

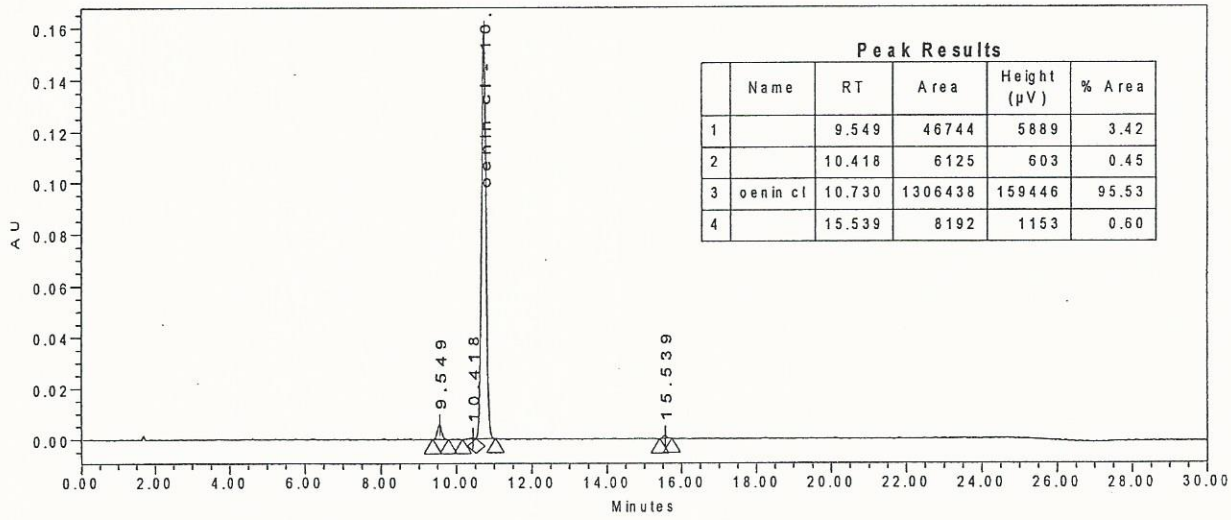
Detection : UV 530 nm

Temperature : 30°C

Flow rate : 1 ml/min

Injection volume : 5 µl

Injection solvent : MeOH + 0,1% HCl



Peak Results

	Name	RT	Area	Height (µV)	% Area
1		9.549	46744	5889	3.42
2		10.418	6125	603	0.45
3	oenin cl	10.730	1306438	159446	95.53
4		15.539	8192	1153	0.60

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