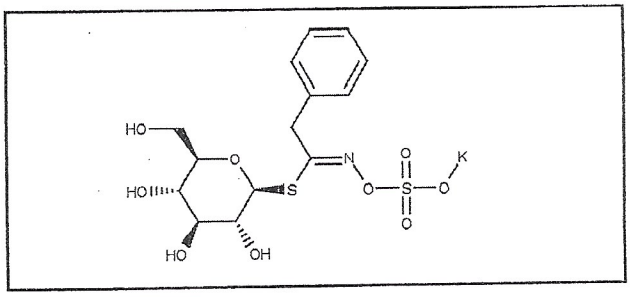
INDOFINE Chemical Company, Inc.
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Certificate Of Analysis

022510S GLUCOTROPAEOLIN POTASSIUM SALT Lot No.: 24091504

CAS RN	5115-71-9
MOL FORMULA	$C_{14}H_{18}NO_9S_2K$
MOL WEIGHT	447,52



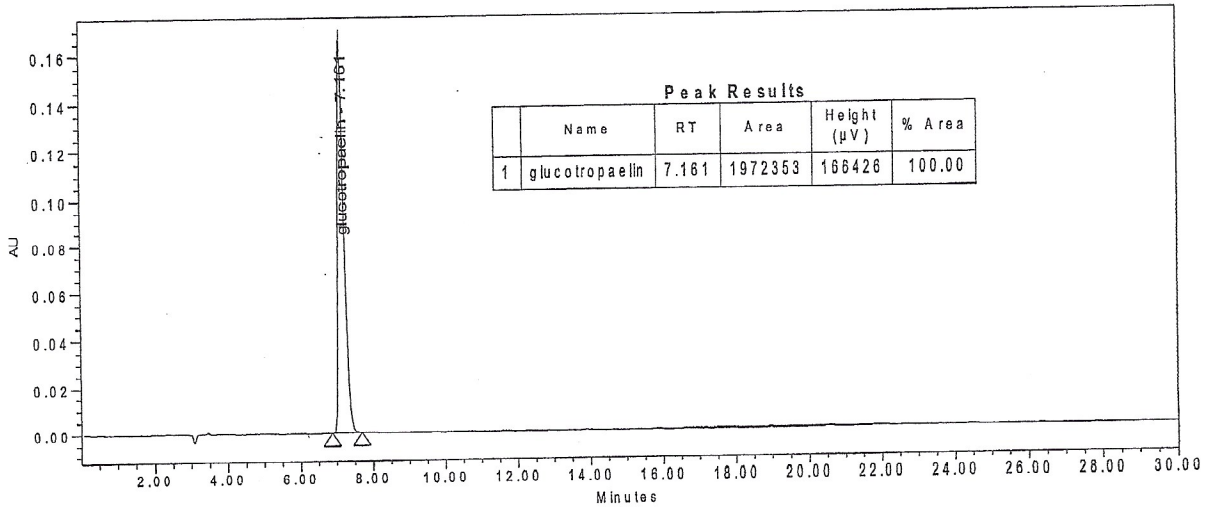
TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		White to beige coloured powder	Conform
Water content	KF	% w/w		1,4
Residual solvents	GC-HS	% w/w		< 0,1
Inorganics	ICP-AES	% w/w		< 0,1
K content	ICP-AES	% w/w		8,2
Purity	HPLC	% area	≥ 98,0	100,0
Assay	**Calculated (*)**	**% w/w**		**90,4**

(*) Assay as glucosinolate anion ($C_{14}H_{18}NO_9S_2^-$) = Purity by HPLC x (100 - %water - %solvents - %inorganics)

CHROMATOGRAPHIC PURITY / HPLC

Column : Luna Omega PS C18 - 4,6x250 mm - 5 µm
Mobile phase : Water + 0,1% TFA 95 / Acetonitrile 5 (v/v)
Detection : UV 230 nm

Temperature : 30°C
Flow rate : 1 ml/min
Injection volume : 10 µl
Injection solvent : water



Peak Results

	Name	RT	Area	Height (µV)	% Area
1	glucotropaelin	7.161	1972353	166426	100.00

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