



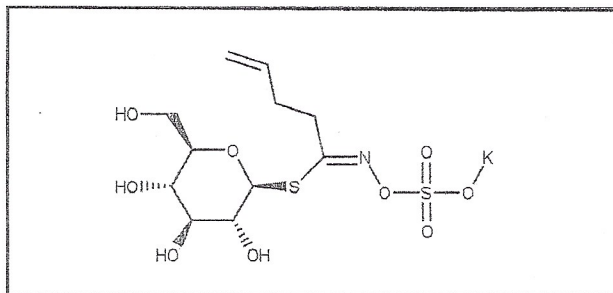
INDOFINE Chemical Company, Inc.

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Certificate Of Analysis

022507S **GLUCONAPIN POTASSIUM SALT** Lot No.: 24040505

CAS RN	245550-57-6
MOL FORMULA	C ₁₁ H ₁₈ NO ₉ S ₂ K
MOL WEIGHT	411,49



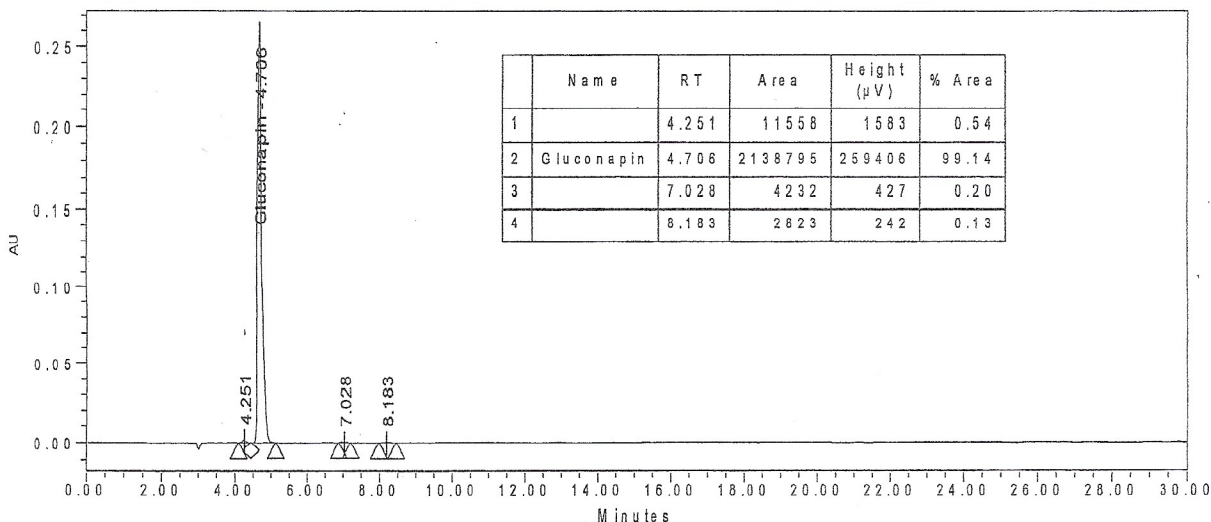
TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		White to beige powder	Conform
Water content	KF	% w/w		2,2
Residual solvents	GC-HS	% w/w		< 0,1
Inorganics	ICP-AES	% w/w		0,1
K content	ICP-AES	% w/w		11,4
Purity	HPLC	% area	≥ 98,0	99,1
Assay	Calculated (*)	% w/w		85,5

(*) Assay as glucosinolate anion(C₁₁H₁₈NO₉S₂⁻) = 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 98 / Acetonitrile 2 (v/v)
Detection : UV 230 nm

Temperature : 30°C
Flow rate : 1 ml/min
Injection volume : 5 µl
Injection solvent : Water



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