



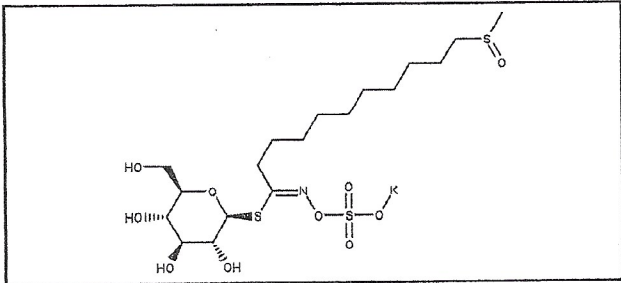
INDOFINE Chemical Company, Inc.

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Certificate Of Analysis

022517S GLUCOCAMELININ POTASSIUM SALT Lot No.: 24042601

CAS RN	67884-10-0 (acid form)
MOL FORMULA	C ₁₈ H ₃₄ NO ₁₀ S ₃ K
MOL WEIGHT	559,77



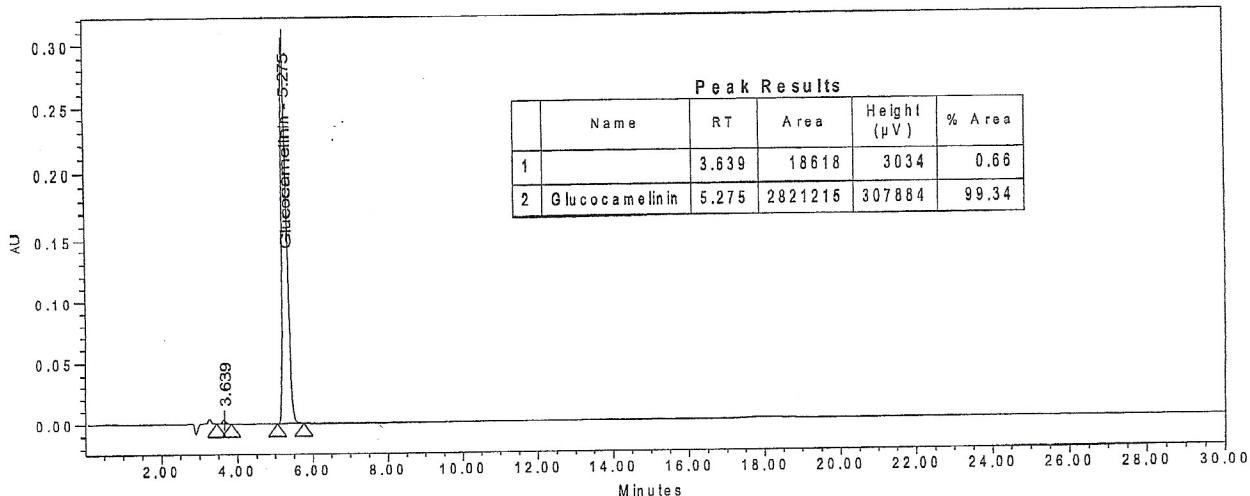
TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		White to beige coloured powder	Conform
Water content	KF	% w/w		2,2
Residual solvents	GC-HS	% w/w		< 0,1
Inorganics	ICP-AES	% w/w		0,3
K content	ICP-AES	% w/w		8,2
Purity	HPLC	% area	≥ 98,0	99,3
Assay	Calculated (*)	% w/w		88,7

(*) Assay as glucosinolate anion(C₁₈H₃₄NO₁₀S₃⁻) = 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 77 / Acetonitrile 23 , (v/v)
 Detection : UV 230 nm

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



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