



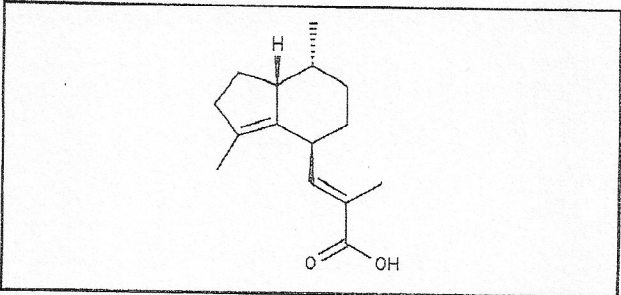
INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30
Hillsborough, NJ 08844 USA
Phone: (908) 359-6778; Fax: (908) 359-1179

Certificate Of Analysis

023801S **VALERENIC ACID** **Lot No.: 24120841**

CAS RN	3569-10-6
MOL FORMULA	C ₁₅ H ₂₂ O ₂
MOL WEIGHT	234,35



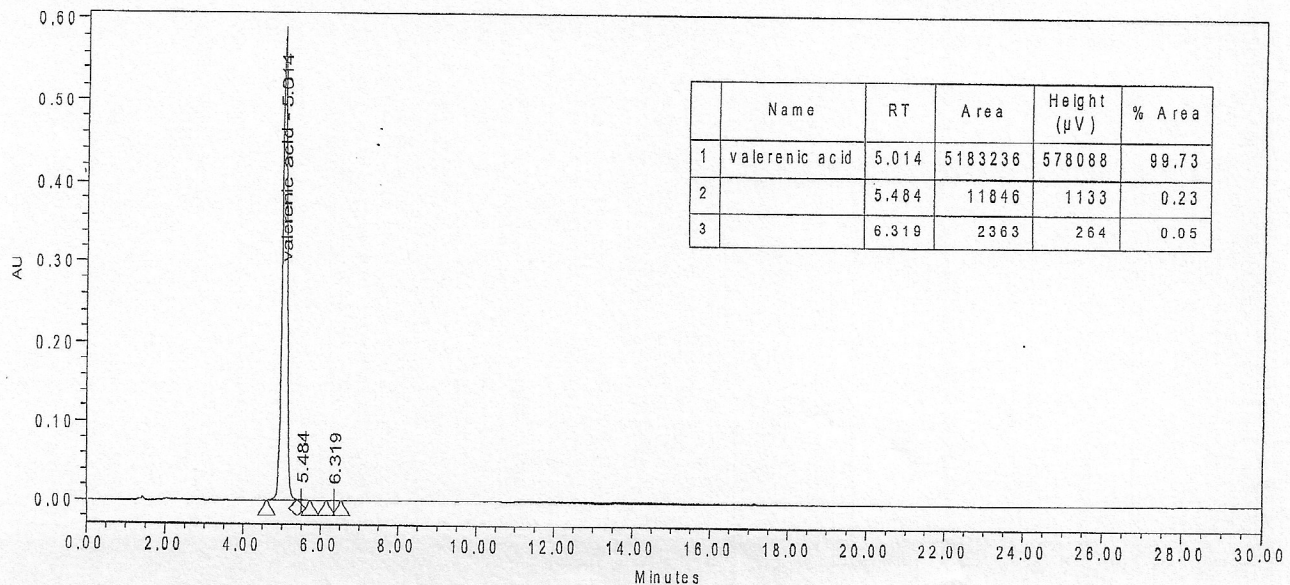
TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		White to beige powder	Conform
Chirality	Optical rotation	°	c=0,5 in EtOH, 20°C	-122
Water content	KF	% w/w		< 0,2
Residual solvents	GC-HS	% w/w		0,1
Inorganics	ICP-MS	% w/w		0,1
Purity	HPLC	% area	≥ 98,0	99,7
Assay	Calculated (*)	% w/w		99,5

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

CHROMATOGRAPHIC PURITY / HPLC

Column : Novapak C18 - 4,6x150 mm - 4 μm
 Mobile phase : Water + 0,1% H₃PO₄ 20 / MeOH 80 (v/v)
 Detection : UV 220 nm

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



LONG TERM STORAGE : Below 8°C in a dry and dark place