



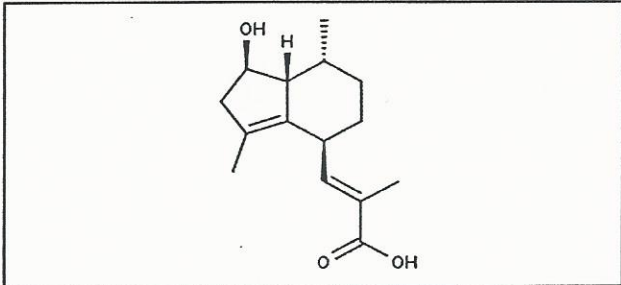
# INDOFINE Chemical Company, Inc.

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## Certificate Of Analysis

**023814S HYDROXYVALERENIC ACID Lot No.: 17090201**

CAS RN	1619-16-5
MOL FORMULA	C <sub>15</sub> H <sub>22</sub> O <sub>3</sub>
MOL WEIGHT	250,34



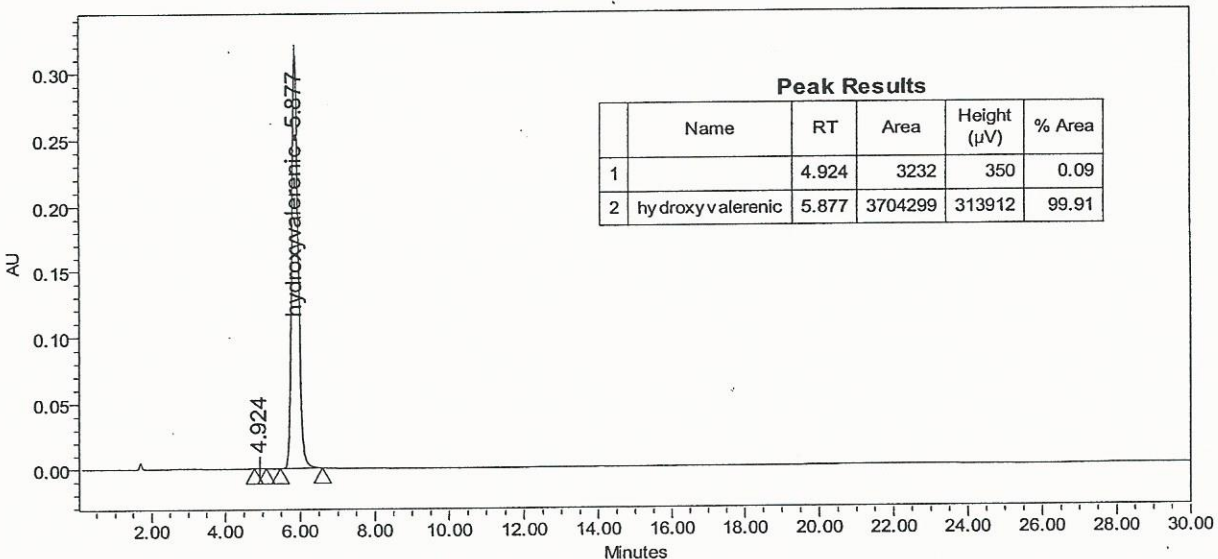
TEST	METHOD	UNIT	SPECIFICATION	RESULT
Appearance	Visual		White to beige powder	Conform
Water content	KF	% w/w		0,5
Residual solvents	GC-HS	% w/w		< 0,1
Inorganics	ICP-MS	% w/w		< 0,1
Purity	HPLC	% area	≥ 99	99,9
Assay	Calculated (*)	% w/w		99,4

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

### CHROMATOGRAPHIC PURITY / HPLC

Column : Novapak C18 - 3,9x150 mm - 4 μm  
 Mobile phase : Water 40 / MeOH 60 (v/v)  
 Detection : UV 220 nm

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



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