



# INDOFINE Chemical Company, Inc.

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## Certificate of Analysis

Catalog Number	04-2406
Product Name	Pyr-Ala-OH
Lot Number	0535310
CAS Registry Number	21282-08-6
Molecular Formula	C <sub>8</sub> H <sub>12</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight	200.19
Appearance	White powder
Solubility	Clear, colorless solution (50 mg/ml in MeOH/CHCl <sub>3</sub> 1:1)
Melting Point	219°C
Identification (ESI-MS)	m = 200.2 u (average mass)
CHN-Analysis	
Elemental Analysis (Theory)	C 48.0% H 6.0% N 14.0%
Elemental Analysis (Found)	C 47.8% H 6.3% N 14.0%
Assay (Elemental Analysis)	99.8% Based on Nitrogen content
Assay (Elemental Analysis)	Theory N 13.99% Found N 13.96%
Identification (TLC)	Conforms with authentic material
Assay by TLC	> 99%
Chloroform/methanol/acetic acid/H <sub>2</sub> O 70/42/0.5/10	Detected by: UV, Ninhydrin, TMB
Chloroform/methanol/acetic acid 32% 5/3/1	
Ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/30/9/16.5	
Plate: Silicagel 60 F <sub>254</sub>	
Water Content (KF Volumetric)	0.3%
Storage	Store at -0°C