



# INDOFINE Chemical Company, Inc.

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## Certificate of Analysis

Catalogue Number	04-054
Lot Number	000127-1053026
Product	<b>Ac-Hyp-OH</b>  Acetyl-L-4-hydroxyproline  N <sup>a</sup> -Acetyl-L-4- <i>trans</i> -hydroxyproline
CAS Number	33996-33-7
Molecular Formula	C <sub>7</sub> H <sub>11</sub> NO <sub>4</sub>
Molecular Weight	173.2
Appearance	White powder
Appearance of Solution	Clear, colorless solution (50mg/ml in methanol)
Melting Point	133 °C
Elemental Analysis (Theory)	C = 48.55%; H = 6.40%; N = 8.09%
Elemental Analysis (Found)	C = 48.45%; H = 6.42%; N = 8.04%
TLC System	n-Butanol/Acetic acid/H <sub>2</sub> O (4:2:2) Chloroform/MeOH/Acetic Acid/H <sub>2</sub> O (60:45:14:6) Chloroform/MeOH/Acetic Acid 32% (5:3:1) Plate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] <sub>D</sub> <sup>24</sup> = -117.9° (C=1% in Water)
Purity by TLC	> 95%
Storage	Store at RT

