



# INDOFINE Chemical Company, Inc.

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## *Certificate of Analysis*

Catalogue Number	04-2395
Lot Number	000127-1044001
Product	<b>Pro-Tyr-OH</b> L-Prolyl-L-tyrosine
CAS Number	19786-36-8
Molecular Formula	C <sub>14</sub> H <sub>18</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight	278.31
Appearance	White powder
Appearance of Solution	Clear, colorless solution (50 mg/mL in 50% AcOH)
TLC System	n-butanol/Acetic Acid/H <sub>2</sub> O (4:2:2) Isopropanol/Ammonia Conc. (1:1) Chloroform/Methanol/Acetic Acid/H <sub>2</sub> O (70:42:0.5:10) Plate: Silica gel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] <sub>D</sub> <sup>24</sup> = -9.8° (C=2% in Water)
Assay	97.8% (Nth 10.07%, Nfd 9.85%)
Assay by titration	97.7%
Purity by TLC	> 99%
Storage	Store at 0-8 °C