Chem-Impex International, Inc.

Tel: (630) 766-2112 E-mail: sales@chemimpex.com Shipping and Correspondence: 935 Dillon Drive Wood Dale, IL 60191 Fax: (630) 766-2218 Web site: www.chemimpex.com Manufacturing site: 825 Dillon Drive Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	09092
Lot Number	000424-170625-16629
Product	Pro-Tyr-OH
	L-Prolyl-L-tyrosine
CAS Number	19786-36-8
Molecular Formula	$C_{14}H_{18}N_2O_4$
Molecular Weight	278.31
	1171 ·
Appearance	White powder
Appearance Melting Point	White powder 207.7-208.5°C
	-
Melting Point	207.7-208.5°C
Melting Point Optical Rotation	$207.7-208.5^{\circ}C$ [a] _D ²⁰ = + 32.3 ° (C=1 in 1N HCl)
Melting Point Optical Rotation Analysis by Mass Spectra	$207.7-208.5^{\circ}C$ [a] _D ²⁰ = + 32.3 ° (C=1 in 1N HCl) Conforms to standard
Melting Point Optical Rotation Analysis by Mass Spectra ¹ H NMR	$207.7-208.5^{\circ}$ C [a] _D ²⁰ = + 32.3 ° (C=1 in 1N HCl) Conforms to standard Conforms to structure
Melting Point Optical Rotation Analysis by Mass Spectra ¹ H NMR Purity by HPLC	207.7-208.5°C $[a]_D{}^{20} = + 32.3$ ° (C=1 in 1N HCl) Conforms to standard Conforms to structure 99.78%

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

letumer.

Bala Kumar Quality Control Manager