



# INDOFINE Chemical Company, Inc.

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## Certificate of Analysis

Catalog Number	04-984
Product Name	<b>H-Tyr(tBu)-OtBu•HCl</b> O-tert-Butyl-L-tyrosine t-butyl ester hydrochloride
Lot Number	14291
CAS Registry Number	17083-23-7
Molecular Formula	$C_{17}H_{27}NO_3 \cdot HCl$
Molecular Weight	329.80
Appearance	White powder
Melting Point	145 °C
Optical Rotation	$\alpha_{NaD}^{20} = 39.5^\circ$ (c=2 in DMF)
Assay by TLC	Trace impurities
n-Butanol/H <sub>2</sub> O/AcOH 6/2/2	TLC Concentration: 25 mg/ml
Other Enantiomer	< 0.5%
Free Amino Acids	< 0.1%
Residual Solvents	1.5%
Loss on Drying	< 0.2%
Purity (HPLC)	> 99%
HPLC-Column	RP-HD-Sil-C18
HPLC-System	Linear gradient – detection at 210 nm – flow: 1ml/min
HPLC-Buffer	A: 0.1% TFA in Water B: 0.1% TFA in 100%CH <sub>3</sub> CN
HPLC-Gradient	10-70% B in 30 min
Storage	Store at -0°C