

# 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

<b>Catalogue Number</b>	29730
<b>Lot Number</b>	000424-180625-16522
<b>Product</b>	<b>O-<i>tert</i>-Butyl-D-tyrosine <i>tert</i>-butyl ester hydrochloride</b>
	H-D-Tyr(tBu)-OtBu·HCl
<b>CAS Number</b>	1998701-20-4
<b>Molecular Formula</b>	C <sub>17</sub> H <sub>27</sub> NO <sub>3</sub> ·HCl
<b>Molecular Weight</b>	329.8
<hr/>	
<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2ml MeOH)
<b>Melting Point</b>	147.1 - 148.9°C
<b>Water Content (Karl Fisher)</b>	0.46%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = - 22.0° (C=1 in MeOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.20% (70°C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.75%
<b>Storage</b>	Store at 0-8 °C

## ***Certificate of Analysis***

**Catalog Number: 29730**

**Lot Number: 000424-180625-16522**

---

**Remarks**

See material safety data sheet for additional information

For laboratory use only

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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

**Bala Kumar**  
**Quality Control Manager**