

# *Chem-Impex International, Inc.*

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Manufacturing site:

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## Certificate of Analysis

<b>Catalog Number</b>	02741
<b>Product Name</b>	<b>Boc-N-Me-Tyr(Di-Cl-Bzl)-OH</b> N <sup>α</sup> -(t-Butyloxycarbonyl)-N-methyl-O-2,6-dichlorobenzyl-L-tyrosine
<b>Lot Number</b>	1000290
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>25</sub> Cl <sub>2</sub> NO <sub>5</sub>
<b>Molecular Weight</b>	454.3
<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50mg/ml in MeOH)
<b>Melting Point</b>	123 °C
<b>Specific Optical Rotation</b>	α <sub>D</sub> <sup>24</sup> = -55.6 ° (1% in MeOH)
<b>CHN Analysis</b>	
<b>Elemental Analysis (Theory)</b>	C 58.16% H 5.55% N 3.08%
<b>Elemental Analysis (Found)</b>	C 58.41% H 5.73% N 3.01%
<b>Assay (Elemental Analysis)</b>	100.4% Based on Carbon content
<b>Assay (Elemental Analysis)</b>	Theory C 58.16% Found C 58.41%
<b>Identification (TLC)</b>	Conforms with authentic material
<b>Assay by TLC</b>	> 99%
<b>Chloroform/methanol/toluene /H<sub>2</sub>O 8/8/8/1</b>	Detected by : UV, Ninhydrin, Chlorine-Tolidine
<b>Toluene/dioxane/acetic acid 95/25/4</b>	
<b>Chloroform/ethyl acetate/acetic acid 50/50/2</b>	
<b>Plate: Silicagel 60 F<sub>254</sub></b>	
<b>Enantiomer content (GC)</b>	0.1% D-Enantiomer
<b>Storage</b>	Store at 0-5°C.
<b>Remarks</b>	See material safety data sheets 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 'Sashi Kumar', written in a cursive style with a long horizontal stroke extending to the left.

**Sashi Kumar**  
**Quality Control Manager**