

# 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>	07089
<b>Product</b>	<b>L-Thyronine</b>
<b>Lot Number</b>	000127-1016502 3-[p-(p-Hydroxyphenoxy)phenyl]-L-alanine
<b>CAS Number</b>	1596-67-4
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>15</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	273.3
<b>Appearance</b>	Off-white powder
<b>Solubility</b>	Clear colorless solution (25 mg/mL in 50% HC00H)
<b>TLC System</b>	n-Butanol/Acetic acid/H <sub>2</sub> O (4:2:2) Ethyl acetate/Pyridine/Acetic acid/H <sub>2</sub> O (60:60:12:36) 2-Butanol/Ammonia 3% (100:44) Plate: Silica gel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = -10.0° (C=1 in 1N NaOH)
<b>Assay</b>	99.9% (Elemental analysis: Cth 65.92%, Cfd 65.82%)
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 0-8 °C
<b>Remarks</b>	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



**Bala Kumar**  
Quality Control Manager