

# *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>	10100
<b>Lot Number</b>	000127-0512733
<b>Product</b>	<b>Tosyl-L-proline</b>  Tos-L-Pro-OH  (2S)-1-[(4-Methylphenyl)sulfonyl]pyrrolidine-2-carboxylic acid
<b>CAS Number</b>	51077-01-1
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>15</sub> NO <sub>4</sub> S
<b>Molecular Weight</b>	269.32

---

<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50mg/mL in MeOH)
<b>Elemental Analysis (Theory)</b>	C = 50.16%; H = 5.96%; N = 4.87% (Cal. as 1 H <sub>2</sub> O)
<b>Elemental Analysis (Found)</b>	C = 50.11%; H = 5.76%; N = 4.92% (Cal. as 1 H <sub>2</sub> O)
<b>Water Content (Karl Fisher)</b>	6.4%
<b>TLC System</b>	Chloroform/Methanol/Acetic acid (85:10:5) Toluene/Dioxane/Acetic acid (95:25:4) Chloroform/Methanol/Toluene/H <sub>2</sub> O (8:8:8:1) Plate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, TMB
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at RT

# *Certificate of Analysis*

**Catalog Number: 10100**

**Lot Number: 000127-0512733**

---

**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**



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