

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-02-21 14:34:34  
 Date of Next Testing: 2028-02-21 14:34:34  
 Product Name: **N $\alpha$ -Tosyl-L-lysine chloromethyl ketone hydrochloride (TLCK)**  
 CAS Number: 4272-74-6  
 Specifications & Purity: Moligand™,  $\geq 95\%$   
 Lot #: B2520503  
 SKU #: **I170311**  
 Version: **2**  
 Analysis #: **473095**  
 Storage Temperature: Store at -20°C, Argon charged

| Parameter                                                     | Limit Values          | Result                |
|---------------------------------------------------------------|-----------------------|-----------------------|
| Purity(HPLC area)                                             | 95-100 (%)            | 96.10000 %            |
| Specific Rotation $[\alpha]_{20/D}(c = 2\% \text{ in } H_2O)$ | -8.3~-7.3 (°)         | -7.40000 °            |
| Carbon by Elemental Analysis                                  | 44.6-46.4 (%)         | 44.75000 %            |
| Nitrogen by Elemental Analysis                                | 7.3-7.9 (%)           | 7.40000 %             |
| NMR Spectrum 1H                                               | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager