

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-21 06:53:45  
 Date of Next Testing: 2027-03-20 06:53:45  
 Product Name: **N-p-Tosyl-L-phenylalanine chloromethyl ketone**  
 CAS Number: 402-71-1  
 Specifications & Purity: 97%  
 Lot #: C23161333  
 SKU #: **T123226**  
**Analysis: 193166**  
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Nitrogen by Elemental Analysis	3.6-4.1 (%)	3.80 %
Melting point	106-110 (°C)	108.07000 °C
Carbon by Elemental Analysis	56.6-59.5 (%)	57.30 %
Purity(HPLC)	97-100 (%)	99.83200 %
Purity (Argentmetric Titration)	96.5-103.5 (%)	99.87 %
Specific Rotation [α] <sub>20</sub> /D(c=1 in EtOH)	-91--87 (°)	-87.01 °
Appearance (T123226)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Test for inhibitor of chymotrypsin	pass	Pass



John Su  
 QA & QC Manager