

## Certificate of Analysis

Date of Testing: 2023-05-31 10:53:51  
Date of Next Testing: 2025-05-30 10:53:51  
Product Name: **4-Nitro-alpha-toluenesulfonyl chloride**  
CAS Number: 4025-75-6  
Specifications & Purity: 97%  
Lot #: E2323705  
SKU #: **N137595**  
Analysis: **231132**

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	97.44000%
Appearance (N137595)	White or light yellow powder	White or light yellow powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager