

## Certificate of Analysis

Date of Testing: 2023-11-06 16:14:59  
Date of Next Testing: 2026-11-05 16:14:59  
Product Name: **4-Methyl-1-piperazinesulfonyl Chloride**  
CAS Number: 1688-95-5  
Specifications & Purity:  $\geq 95\%$   
Lot #: J2331197  
SKU #: **D305141**  
**Analysis:** **268460**  
Storage Temperature: Room temperature, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(GC)	95-100 (%)	95.12 %
Proton NMR spectrum	Conforms to structure	Conforms to Structure
GC-MS for identification	Conforms	Conforms



John Su  
QA & QC Manager