

## Certificate of Analysis

Date of Testing: 2022-12-09 18:34:10  
Date of Next Testing: 2025-12-08 18:34:10  
Product Name: **1-(4-Chlorophenyl)piperazine**  
CAS Number: 38212-33-8  
Specifications & Purity: 98%  
Lot #: L2207777  
SKU #: **C170042**  
**Analysis:** **166798**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	76-80 (°C)	78.86000 °C
Purity(HPLC)	98-100 (%)	99.53300 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager