

## Certificate of Analysis

Date of Testing: 2022-08-11 14:34:51  
Date of Next Testing: 2026-08-10 14:34:51  
Product Name: **Piperazine Adipate**  
CAS Number: 142-88-1  
Specifications & Purity: >98.0%(T)  
Lot #: H2203566  
SKU #: **P160731**  
**Analysis:** **100278**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	98-102.5 (%)	98.30 %
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Appearance(P160731)	White to off-white Powder	White to Off-White Powder



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QA & QC Manager