

Certificate of Analysis

Date of Testing: 2025-01-08 09:55:54
Date of Next Testing: 2027-01-08 09:55:54
Product Name: **Piperazine Dihydrobromide**
CAS Number: 59813-05-7
Specifications & Purity: $\geq 98\%$ (N)
Lot #: H1928172
SKU #: **P160723**
Version: **0**
Analysis #: **458691**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity (Argentmetric Titration)	97.5-102.5 (%)	97.78 %
Appearance (P160723)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager