

Certificate of Analysis

Date of Testing: 2023-06-30 16:04:36

Date of Next Testing: 2027-06-29 16:04:36

Product Name: **1-Propylpiperazine Dihydrobromide**

CAS Number: 64262-23-3

Specifications & Purity: 98%

Lot #: F2317404

SKU #: **P160720**

Analysis: **227697**

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	101.62 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(P160720)	White to Almost white to Tan Powder or Crystals	White to almost white to tan powder to crystal



John Su
QA & QC Manager