

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-30 16:03:06

Date of Next Testing: 2027-06-29 16:03:06

Product Name: **1-Propylpiperazine Dihydrobromide**

CAS Number: 64262-23-3

Specifications & Purity: 98%

Lot #: F2317405

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

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager