

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-03-07 17:00:33
Date of Next Testing: 2026-03-06 17:00:33
Product Name: **Piperazine hexahydrate**
CAS Number: 142-63-2
Specifications & Purity: 98%
Lot #: C2204577
SKU #: **P105279**
Analysis: **058870**
Storage Temperature: Desiccated

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.73600 %
Water by Karl Fischer	53-57.5 (%)	53.04 %
Melting point	42-46 (°C)	45.90000 °C
Appearance (P105279)	White to light yellow powder,crystals or solid	White to light yellow powder,crystals or solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager