

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-08 09:43:31
 Date of Next Testing: 2029-04-07 09:43:31
 Product Name: **Piperazine hexahydrate**
 CAS Number: 142-63-2
 Specifications & Purity: $\geq 98\%$
 Lot #: F2118343
 SKU #: **P105279**
 Version: **0**
 Analysis #: **491168**
 Storage Temperature: Room temperature, Desiccated

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.50000 %
Water by Karl Fischer	53-57.5 (%)	53.20000 %
Melting point	42-46 (°C)	44.20000 °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