

ALADDIN SCIENTIFIC CORPORATION
14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-12 14:03:47
Date of Next Testing: 2028-11-11 14:03:47
Product Name: **Piperazine Phosphate Monohydrate**
CAS Number: 18534-18-4
Specifications & Purity: $\geq 97\%$
Lot #: L2209819
SKU #: **P189055**
Version: **0**
Analysis #: **582333**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	7-10 (%)	7.15 %
Purity(NonaqueousTitration)(calcd.onanh.substance)	97-103 (%)	99.28 %
Appearance (P189055Color)	White to almost white	White to almost white
Appearance (P189055Form)	Powder to crystal	Powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager