

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-07 17:09:14

Date of Next Testing: 2027-09-07 17:09:14

Product Name: **Piperazine Sulfate Hydrate**

CAS Number: 4554-26-1

Specifications & Purity:

Lot #: I2404474

SKU # **P404845**

Version **1**

Analysis #: **408666**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(with total nitrogen) (calcd.on dried substance)	95-102 (%)	100.23000 %
Drying loss	≤10 (%)	0.83000 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(P404845)	White to Almost white powder to crystal	White to Almost white powder to crystal



John Su
QA & QC Manager