

Certificate of Analysis

Date of Testing: 2024-09-07 16:54:15
Date of Next Testing: 2027-09-07 16:54:15
Product Name: **Piperazine Sulfate Hydrate**
CAS Number: 4554-26-1
Specifications & Purity:
Lot #: I2404475
SKU #: **P404845**
Version: **1**
Analysis #: **408666**

Parameter	Limit Values	Result
Purity(with total nitrogen) (calcd.on dried substance)	95-102 (%)	100.23 %
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