

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-15 09:29:50

Date of Next Testing: 2026-12-14 09:29:50

Product Name: **2,2'-(Piperazine-1,4-diyl)diethanamine**

CAS Number: 6531-38-0

Specifications & Purity: $\geq 95\%$

Lot #: L2312162

SKU #: **D589798**

Version: **2**

Analysis #: **297246**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	95-100 (%)	97.94900 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
LC-MS for identification	Conforms	Conforms



John Su
QA & QC Manager