

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-28 16:38:44

Date of Next Testing: 2030-03-27 16:38:44

Product Name: **1-(3-Hydroxypropyl)piperazine**

CAS Number: 5317-32-8

Specifications & Purity: $\geq 98\%$

Lot #: C2624647

SKU #: **P769992**

Version: **1**

Analysis #: **632043**

Storage Temperature: Store at 2-8°C, Argon charged, Desiccated

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.14300 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
GC-MS for identification	Conforms	Conforms

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager