

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-11-14 10:10:50

Date of Next Testing: 2026-11-13 10:10:50

Product Name: **1-(3-Hydroxypropyl)-4-methylpiperazine**

CAS Number: 5317-33-9

Specifications & Purity: 98%

Lot #: K2209746

SKU #: **M170823**

Analysis: **130291**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.57700 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager