

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-19 17:14:12
Date of Next Testing: 2027-12-18 17:14:12
Product Name: **1-(o-Tolyl)piperazine Hydrochloride**
CAS Number: 95356-15-3
Specifications & Purity: >97.0%(T)
Lot #: C2002052
SKU #: **O159902**
Analysis: **306439**

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	96.5-103.5 (%)	100.13 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager