

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-17 16:13:19
Date of Next Testing: 2027-05-16 16:13:19
Product Name: **N-(m-Tolyl)piperazine Dihydrochloride**
CAS Number: 13078-13-2
Specifications & Purity: 95%
Lot #: E2315256
SKU #: **N159751**
Analysis: 194419
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Assay(Argentometric Titration)	95-103 (%)	96.15000 %
Appearance(N159751)	White to Almost white to Light orange powder to crystal	White to Almost white to Light orange powder to crystal
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager