

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-14 14:37:56  
Date of Next Testing: 2025-09-13 14:37:56  
Product Name: **1-(2-Methoxyphenyl)piperazine hydrochloride**  
CAS Number: 5464-78-8  
Specifications & Purity: 97%  
Lot #: K21171036  
SKU #: **W136381**  
**Analysis: 276161**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(Titration by AgNO <sub>3</sub> )	96.5-103.5 (%)	102.22 %
Melting point	217-219 (°C)	217.60000 °C
Appearance (W136381)	white to off-white powder, crystals and/or chunks	white to off-white powder, crystals and/or chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager