

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-10-23 16:56:30
Date of Next Testing: 2025-10-22 16:56:30
Product Name: **1-(o-Tolyl)piperazine**
CAS Number: 39512-51-1
Specifications & Purity: $\geq 97\%$
Lot #: A2205025
SKU #: **O138787**
Analysis: **288528**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	99.35 %
Melting point	44-48 (°C)	46.80000 °C
Appearance (O138787)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager