

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-13 09:12:33
Date of Next Testing: 2027-04-12 09:12:33
Product Name: **1-(m-Tolyl)piperazine**
CAS Number: 41186-03-2
Specifications & Purity: >95.0%(GC)
Lot #: D23061731
SKU #: **M157889**
Analysis: **203838**

Parameter	Limit Values	Result
Density (20°C)	1.043-1.047	1.04
Purity(GC)	95-100 (%)	98.93 %
Refractive index n ₂₀ /D	1.576-1.58	1.58
Appearance (M157889)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager