

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-09-13 09:09:39
Date of Next Testing: 2025-09-12 09:09:39
Product Name: **1-(2-Chlorophenyl)piperazine**
CAS Number: 39512-50-0
Specifications & Purity: $\geq 98.0\%$ (GC)
Lot #: I2306839
SKU #: **C136306**
Version: **0**
Analysis #: **268273**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.184-1.186	1.19
Purity(GC)	98-100 (%)	98.36 %
Refractive index n ₂₀ /D	1.581-1.585	1.58
Appearance (C136306)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager