

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-26 14:47:46

Date of Next Testing: 2028-07-25 14:47:46

Product Name: **1-Isopropylpiperazine**

CAS Number: 4318-42-7

Specifications & Purity: >98.0%

Lot #: G2422495

SKU #: **I157702**

Version: **0**

Analysis #: **393453**

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.26 %
Refractive index n ₂₀ /D	1.469-1.473	1.47
Appearance (I157702)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager