

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-17 11:16:09

Date of Next Testing: 2029-05-16 11:16:09

Product Name: **1-Ethylpiperazine**

CAS Number: 5308-25-8

Specifications & Purity: $\geq 98\%$

Lot #: E2512063

SKU #: **E103219**

Version: **0**

Analysis #: **377198**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.91000 %
Density (20°C)	0.9-0.903	0.90060
Refractive index n ₂₀ /D	1.467-1.47	1.46880
Water by Karl Fischer	0-2 (%)	1.20000 %
Appearance (E103219)	Colorless to light yellow liquid	Colorless to light yellow liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager