

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-07-09 13:34:11

Date of Next Testing: 2026-07-09 13:34:11

Product Name: **1-(3-Methoxyphenyl)piperazine**

CAS Number: 16015-71-7

Specifications & Purity:  $\geq 98.0\%$ (GC)

Lot #: C1706036

SKU #: **M132408**

Version: **0**

Analysis #: **383834**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                          | Limit Values             | Result                   |
|------------------------------------|--------------------------|--------------------------|
| Purity(GC)                         | 98-100 (%)               | 98.10 %                  |
| Purity(Neutralization titration)   | 97.5-102.5 (%)           | 98.30 %                  |
| Refractive index n <sub>20/D</sub> | 1.583-1.587              | 1.58                     |
| Density (20°C)                     | 1.113-1.117              | 1.11                     |
| Appearance (M132408)               | colorless to gold liquid | colorless to gold 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