

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-10-21 16:27:22
Date of Next Testing: 2028-10-20 16:27:22
Product Name: **1-(4-Trifluoromethylphenyl)piperazine**
CAS Number: 30459-17-7
Specifications & Purity: $\geq 98\%$ (GC)(T)
Lot #: J2415564
SKU #: **T162689**
Version: **0**
Analysis #: **415851**
Storage Temperature: Argon charged

| Parameter | Limit Values | Result |
|---|--|--|
| Purity (Titration by HClO ₄ ,0.1M) | 97.5-102.5 (%) | 98.97% |
| Melting point | 87-92 (°C) | 90.92000 °C |
| Purity(GC) | 98-100 (%) | 98.67% |
| Appearance (T162689) | Colorless to White to light Yellow Solid | Colorless to White to light Yellow Solid |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager