

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2023-08-17 09:42:35

Date of Next Testing: 2025-08-16 09:42:35

Product Name: **trans-2,5-Dimethylpiperazine**

CAS Number: 2815-34-1

Specifications & Purity:  $\geq 98\%$ (GC)

Lot #: K21111023

SKU #: **T138605**

Version: **1**

Analysis #: **265035**

Storage Temperature: Protected from light, Room temperature, Argon charged

| Parameter            | Limit Values                                       | Result                                             |
|----------------------|----------------------------------------------------|----------------------------------------------------|
| Melting point        | 116-120 (°C)                                       | 118.60000 °C                                       |
| Purity(GC)           | 98-100 (%)                                         | 98.92200 %                                         |
| Appearance (T138605) | White to Yellow to Brown Powder, Crystals or Solid | White to Yellow to Brown Powder, Crystals or Solid |
| Infrared spectrum    | Conforms to Structure                              | Conforms to Structure                              |
| Proton NMR spectrum  | Conforms to Structure                              | Conforms to Structure                              |
| Solubility in MeOH   | almost transparency                                | almost transparency                                |



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QA & QC Manager