

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-27 17:48:01  
 Date of Next Testing: 2029-10-26 17:48:01  
 Product Name: **4-Phenylmorpholine**  
 CAS Number: 92-53-5  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: J2523185  
 SKU #: **P118291**  
 Version: **1**  
 Analysis #: **075121**  
 Storage Temperature: Room temperature, Argon charged

| Parameter            | Limit Values                                                                     | Result                                                                           |
|----------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Melting point        | 52-59 (°C)                                                                       | 54.91000 °C                                                                      |
| Purity(GC)           | 98-100 (%)                                                                       | 99.59600 %                                                                       |
| Appearance (P118291) | White to Light yellow to Light red to Orange to Brown Powder, Crystals or chunks | White to Light yellow to Light red to Orange to Brown Powder, Crystals or chunks |
| Solubility in MeOH   | almost transparency                                                              | almost transparency                                                              |
| Proton NMR spectrum  | Conforms to structure                                                            | Conforms to Structure                                                            |



John Su  
QA & QC Manager