

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

|                          |   |
|--------------------------|---|
| Date of Testing:         | 2022-12-08 19:58:36                                 |
| Date of Next Testing:    | 2026-12-07 19:58:36                                 |
| Product Name:            | <b>Diphenylamine</b>                                |
| CAS Number:              | 122-39-4  |
| Specifications & Purity: | AR, ≥99%(GC)  |
| Lot #:                   | L2206583  |
| SKU #                    | <b>D112594</b>                                      |
| Version                  | <b>3</b>  |
| <b>Analysis #:</b>       | <b>145959</b>                                       |
| Storage Temperature:     | Protected from light,Room temperature,Argon charged |

| Parameter                      | Limit Values  | Result  |
|--------------------------------|---|---|
| Carbon by Elemental Analysis   | 84.3-86 (%)   | 85.62 %   |
| Nitrogen by Elemental Analysis | 8-8.6 (%)   | 8.32 %  |
| Ignition Residue               | 0-0.03 (%)  | 0.02 %  |
| Purity(GC)                     | 99-100 (%)  | 99.73 %   |
| Melting point                  | 53-55 (°C)  | 54.78000 °C   |
| Appearance (D112594)           | Off-White to Yellow to Beige<br>Powder,Chunk or solid | Off-White to Yellow to Beige<br>Powder,Chunk or solid |
| (NO3)Nitrate                   | Passes test   | Passes test   |
| Sensitivity to nitrate         | pass  | Pass  |
| Solubility in                  | pass  | Pass  |
| EtOH , Colorless,Clear,2%      |   |   |
| Infrared spectrum              | Conforms to Structure                                 | Conforms to Structure                                 |



John Su  
QA & QC Manager