

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-30 16:56:02
Date of Next Testing: 2028-12-29 16:56:02
Product Name: **Diphenylamine**
CAS Number: 122-39-4
Specifications & Purity: AR, ≥99%(GC)
Lot #: L2427197
SKU #: **D112594**
Version: **3**
Analysis #: **145959**
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 Powder,Chunk or solid | Off-White to Yellow to Beige 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