

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-07 16:45:01

Date of Next Testing: 2029-11-06 16:45:01

Product Name: **4,5-Dimethyl-1,2-phenylenediamine**

CAS Number: 3171-45-7

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

Lot #: J2527024

SKU #: **D154783**

Version: **0**

Analysis #: **604970**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Melting point	125-128 (°C)	127.52000 °C
Purity(Titration by HClO ₄)	97.5-102.5 (%)	101.20000 %
Purity(HPLC)	98-100 (%)	99.40400 %
Appearance (D154783)	Yellow to Orange to Brown	Yellow to Orange to Brown
	Powder, Crystals, Chunks	Powder, Crystals, Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager