

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-15 11:40:40
 Date of Next Testing: 2029-08-14 11:40:40
 Product Name: **4,5-Methylenedioxy-1,2-phenylenediamine dihydrochloride**
 CAS Number: 81864-15-5
 Specifications & Purity: for fluorescence analysis, ≥95%(HPLC)
 Lot #: H2512422
 SKU #: **M121480**
 Version: **2**
 Analysis #: **517074**
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	36.4-38.3 (%)	37.30100 %
Purity(HPLC)	95-100 (%)	98.62700 %
Nitrogen by Elemental Analysis	12-12.8 (%)	12.32200 %
Appearance (M121480)	White to light orange to purplish red powder to dark brown solid	White to light orange to purplish red powder to dark brown solid
Solubility, Colorless to faint yellow to light orange to purplish red to Dark Brown, clear (50 mg/mL, H ₂ O)	Pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager