

Certificate of Analysis

Date of Testing: 2025-05-21 10:32:58

Date of Next Testing: 2029-05-20 10:32:58

Product Name: **4,5-Methylenedioxy-1,2-phenylenediamine dihydrochloride**

CAS Number: 81864-15-5

Specifications & Purity: for fluorescence analysis, $\geq 95\%$ (HPLC)

Lot #: E2516112

SKU #: **M121480**

Version: **1**

Analysis #: **476794**

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	36.4-38.3 (%)	37.44 %
Purity(HPLC)	95-100 (%)	96.94200 %
Nitrogen by Elemental Analysis	12-12.8 (%)	12.26 %
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
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless to faint yellow to Dark Brown, clear (50 mg/mL, H ₂ O)	Pass	Pass



John Su
QA & QC Manager