

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-29 15:05:30  
Date of Next Testing: 2027-08-28 15:05:30  
Product Name: **4,5-Methylenedioxy-1,2-phenylenediamine dihydrochloride**  
CAS Number: 81864-15-5  
Specifications & Purity: Fluorogenic reagent ,≥95.0% (HPLC)  
Lot #: H2325050  
SKU #: **M121480**  
**Analysis:** **093656**  
Storage Temperature: Store at -20°C,Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	36.4-38.3 (%)	37.42 %
Purity(HPLC)	95-100 (%)	96.97900 %
Nitrogen by Elemental Analysis	12-12.8 (%)	12.26 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (M121480)	White to purplish red powder	White to purplish red powder
Solubility,Colorless to faint yellow,clear(50 mg/mL, H2O)	pass	Pass



John Su  
QA & QC Manager