

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-05 14:17:40
 Date of Next Testing: 2027-06-04 14:17:40
 Product Name: **4,5-Methylenedioxy-1,2-phenylenediamine dihydrochloride**
 CAS Number: 81864-15-5
 Specifications & Purity: Fluorogenic reagent ,≥95.0% (HPLC)
 Lot #: E23261078
 SKU #: **M121480**
Analysis: **210609**
 Storage Temperature: Store at -20°C,Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	36.4-38.3 (%)	37.39 %
Purity(HPLC)	95-100 (%)	96.67400 %
Nitrogen by Elemental Analysis	12-12.8 (%)	12.26 %
Appearance (M121480)	White to purplish red powder	White to purplish red powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility,Colorless to faint yellow,clear(50 mg/mL, H2O)	pass	Pass



John Su
QA & QC Manager