

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-04-17 10:27:04  
Date of Next Testing: 2027-04-16 10:27:04  
Product Name: **3,3',5,5'-Tetramethylbenzidine dihydrochloride**  
CAS Number: 64285-73-0  
Specifications & Purity: Anhydrous,98%  
Lot #: D23011062  
SKU #: **T105329**  
Version: **0**  
Analysis #: **212713**  
Storage Temperature: Store at 2-8°C,Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.87000%
Water by Karl Fischer	0-1 (%)	0.81%
Purity(Titration by AgNO <sub>3</sub> )	98-100 (%)	99.19%
Appearance (T105329)	white to light brown powder or crystals	white to light brown powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in AcOH/H <sub>2</sub> O (1/2)	Clear to slightly hazy yellow to green,at 20mg/ml	Clear to slightly hazy yellow to green,at 20mg/ml



John Su  
QA & QC Manager