

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-08 15:32:15
Date of Next Testing: 2027-08-07 15:32:15
Product Name: **3,3',5,5'-Tetramethylbenzidine dihydrochloride hydrate**
CAS Number: 207738-08-7
Specifications & Purity: $\geq 98\%$
Lot #: H2304427
SKU #: **T140620**
Analysis: 194839
Storage Temperature: Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(Titration by AgNO ₃)	98-100 (%)	98.80 %
Purity(HPLC)	98-100 (%)	99.13100 %
Water by Karl Fischer	0-12 (%)	11.96 %
Appearance (T140620)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in AcOH/H ₂ 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