

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-03-13 17:54:42

Date of Next Testing: 2027-03-12 17:54:42

Product Name: **N,N,N',N'-Tetramethyl-p-phenylenediamine dihydrochloride(TMPD)**

CAS Number: 637-01-4

Specifications & Purity: 98%

Lot #: G1513083

SKU #: **T106470**

**Analysis: 198342**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.60000 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	98.00 %
Appearance (T106470)	Off-White to Grey to Brown Powder	Off-White to Grey to Brown Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless to Purple to Brown, Clear to Hazy, 50mg/ml	pass	Pass



John Su  
QA & QC Manager