

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-03-25 13:21:37

Date of Next Testing: 2030-03-24 13:21:37

Product Name: **3,3',5,5'-Tetramethylbenzidine dihydrochloride hydrate**

CAS Number: 207738-08-7

Specifications & Purity: Moligand™, ≥98%

Lot #: C2624477

SKU #: **T140620**

Version: **0**

**Analysis #:** **666269**

Storage Temperature: Store at -20°C, Argon charged

| Parameter                                 | Limit Values                                       | Result                                             |
|-------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Purity(Titration by AgNO <sub>3</sub> )   | 98-100 (%)                                         | 99.52400 %                                         |
| Purity(HPLC)                              | 98-100 (%)                                         | 99.81100 %                                         |
| Water by Karl Fischer                     | 0-12 (%)                                           | 4.62700 %                                          |
| 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 <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