

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-08-11 11:47:51  
 Date of Next Testing: 2029-08-10 11:47:51  
 Product Name: **Thiamine hydrochloride**  
 CAS Number: 67-03-8  
 Specifications & Purity: AR, ≥99%  
 Lot #: H2508541  
 SKU #: **T104100**  
 Version: **1**  
 Analysis #: **549830**  
 Storage Temperature: Protected from light, Room temperature, Argon charged

| Parameter                                                 | Limit Values          | Result                |
|-----------------------------------------------------------|-----------------------|-----------------------|
| Water by Karl Fischer                                     | 0-5 (%)               | 3.10000 %             |
| Purity(HPLC)                                              | 99-100 (%)            | 99.30000 %            |
| Carbon by Elemental Analysis(anhydrous)                   | 42.1-43.4 (%)         | 42.80000 %            |
| Nitrogen by Elemental Analysis (anhydrous)                | 16.1-17.1 (%)         | 16.70000 %            |
| Appearance (T104100)                                      | white powder          | White powder          |
| Proton NMR spectrum                                       | Conforms to Structure | Conforms to Structure |
| Solubility in H <sub>2</sub> O , clear ,50 mg/ml in water | pass                  | Pass                  |



John Su  
QA & QC Manager