

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2025-10-13 13:53:26

Date of Next Testing: 2029-10-12 13:53:26

Product Name: **Levothyroxine sodium hydrate**

CAS Number: 25416-65-3

Specifications & Purity:  $\geq 98\%$

Lot #: L2120056

SKU #: **T113354**

Version: **2**

Analysis #: **586335**

Storage Temperature: Store at 2-8°C

| Parameter                                                                       | Limit Values                        | Result                              |
|---------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| Loss on drying(60°C,4h)                                                         | 0-11 (%)                            | 4.36800 %                           |
| Specific Rotation [a] <sub>25</sub> /D(c=3 in Alcohol:1N NaOH 2:1 in Anhydrous) | -6--5 (°)                           | -5.69000 °                          |
| Assay(HPLC)                                                                     | 98-100 (%)                          | 98.64000 %                          |
| Appearance (T113354)                                                            | Light yellow to yellow-brown powder | Light yellow to yellow-brown powder |
| Proton NMR spectrum                                                             | Conforms to Structure               | Conforms to Structure               |



John Su  
QA & QC Manager