

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-05-30 10:26:28  
 Date of Next Testing: 2030-05-29 10:26:28  
 Product Name: **Levothyroxine sodium hydrate**  
 CAS Number: 25416-65-3  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: E2629408  
 SKU #: **T113354**  
 Version: **2**  
 Analysis #: **700344**  
 Storage Temperature: Store at 2-8°C

| Parameter                                                                                     | Limit Values                        | Result                              |
|-----------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| Loss on drying(60°C,4h)                                                                       | 0-11 (%)                            | 1.97980 %                           |
| Assay(HPLC)                                                                                   | 98-100 (%)                          | 99.11200 %                          |
| Specific Rotation $[\alpha]_{25/D}(c=3 \text{ in Alcohol:1N NaOH } 2:1 \text{ in Anhydrous})$ | -6--5 (°)                           | -5.43800 °                          |
| 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