

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-04-29 13:10:30
 Date of Next Testing: 2030-04-28 13:10:30
 Product Name: **Levothyroxine sodium hydrate**
 CAS Number: 25416-65-3
 Specifications & Purity: $\geq 98\%$
 Lot #: D2617035
 SKU #: **T113354**
 Version: **2**
 Analysis #: **441198**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Loss on drying(60°C,4h)	0-11 (%)	3.55860 %
Assay(HPLC)	98-100 (%)	99.23700 %
Specific Rotation $[\alpha]_{25/D}(c=3 \text{ in Alcohol:1N NaOH } 2:1 \text{ in Anhydrous})$	-6--5 (°)	-5.41500 °
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