

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-19 10:09:04

Date of Next Testing: 2026-09-18 10:09:04

Product Name: **L-Thyroxine sodium hydrate**

CAS Number: 25416-65-3

Specifications & Purity: $\geq 98\%$

Lot #: K1823202

SKU #: **S161194**

Version: **0**

Analysis #: **136315**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	8-12 (%)	10.25820 %
Specific rotation $[\alpha]_{20/D}(C=1, 1\text{mol/L NaOH:EtOH}95=1:2)$	-6--5 (°)	-5.35000 °
Purity(HPLC)	97-100 (%)	97.98200 %
Purity(Nonaqueous Titration)(calcd.onanh.substance)	98-100 (%)	98.11600 %
Appearance (S161194)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager