

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-11-14 13:36:20  
Date of Next Testing: 2026-11-13 13:36:20  
Product Name: **L-Thyroxine**  
CAS Number: 51-48-9  
Specifications & Purity: 98%  
Lot #: K2210153  
SKU #: **T106193**  
Version: **0**  
Analysis #: **126166**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	22.2-23.7 (%)	22.90%
Specific Rotation [α] <sub>20</sub> /D(c=1 in 1N NaOH:EtOH 1:2)-6--4 (°) (anhydrous)		-5.33°
Nitrogen by Elemental Analysis	1.5-2.1 (%)	1.57%
Purity(HPLC)	98-100 (%)	98.01000%
Appearance (T106193)	White to Light Yellow Powder or Crystals	White to Light Yellow Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager