

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-03-14 11:19:49

Date of Next Testing: 2026-03-13 11:19:49

Product Name: **L-Thyroxine**

CAS Number: 51-48-9

Specifications &amp; Purity: 98%

Lot #: C2201028

SKU #: **T106193****Analysis: 017466**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	22.2-23.7 (%)	22.20%
Specific Rotation [α] <sub>20</sub> /D(c=1 in 1N NaOH:EtOH 1:2)-6--4 (°) (anhydrous)		-4.09°
Purity(HPLC)	98-100 (%)	98.11000%
Nitrogen by Elemental Analysis	1.5-2.1 (%)	1.58%
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