

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-10-11 14:58:58

Date of Next Testing: 2028-10-10 14:58:58

Product Name: **L-Thyroxine**

CAS Number: 51-48-9

Specifications &amp; Purity: 98%

Lot #: J2408767

SKU #: **T106193**Version: **0**Analysis #: **408548**

Storage Temperature: Store at -20°C

| Parameter   | Limit Values                             | Result                                   |
|---|--|--|
| Carbon by Elemental Analysis  | 22.2-23.7 (%)                            | 22.30%                                   |
| Specific Rotation [α] <sub>20</sub> /D(c=1 in 1N NaOH:EtOH 1:2)-6--4 (°)<br>(anhydrous) |  | -4.76°                                   |
| Purity(HPLC)  | 98-100 (%)                               | 98.33200%                                |
| Nitrogen by Elemental Analysis  | 1.5-2.1 (%)                              | 1.89%                                    |
| 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