

## Certificate of Analysis

Date of Testing: 2022-12-08 16:01:45  
Date of Next Testing: 2025-12-07 16:01:45  
Product Name: **D-Thyroxine**  
CAS Number: 51-49-0  
Specifications & Purity: 98%  
Lot #: K22301243  
SKU #: **R193687**  
**Analysis: 151641**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in EtOH} : 1 \text{M HCL} = 2 : 1)$	-20.5--16.5 (°)	-19.12°
Purity(HPLC)	98-100 (%)	99.27300 %
Appearance (R193687)	White to Yellow Solid	White to Yellow Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager