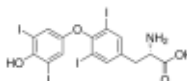


Certificate of Analysis

Product Name:

L-Thyroxine - ≥98% (HPLC)

Product Number: T2376
Batch Number: BCCL2150
Brand: SIGMA
CAS Number: 51-48-9
Formula: C₁₅H₁₁I₄NO₄
Formula Weight: 776,87 g/mol
Quality Release Date: 14 DEC 2023
Recommended Retest Date: NOV 2026



Test	Specification	Result
Appearance (Color)	White to Light Yellow	Off White
Appearance (Form)	Powder	Powder
Purity (HPLC)	≥ 98 %	100 %
Specific Rotation (20/D) c=1 in Ethanol:1m Hydrochloric Acid (2:1)	17 - 25 deg	21 deg
Solubility (Color)	Yellow to Dark Yellow	Yellow
Solubility (Turbidity) 0.5g in 10ml 4m NH ₄ OH in Methanol	Clear to Hazy	Clear
Carbon Content	22.7 - 23.7 %	23.3 %
Nitrogen Content	1.5 - 2.1 %	1.7 %
Infrared Spectrum	Conforms to Structure	Conforms

Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland CH

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

