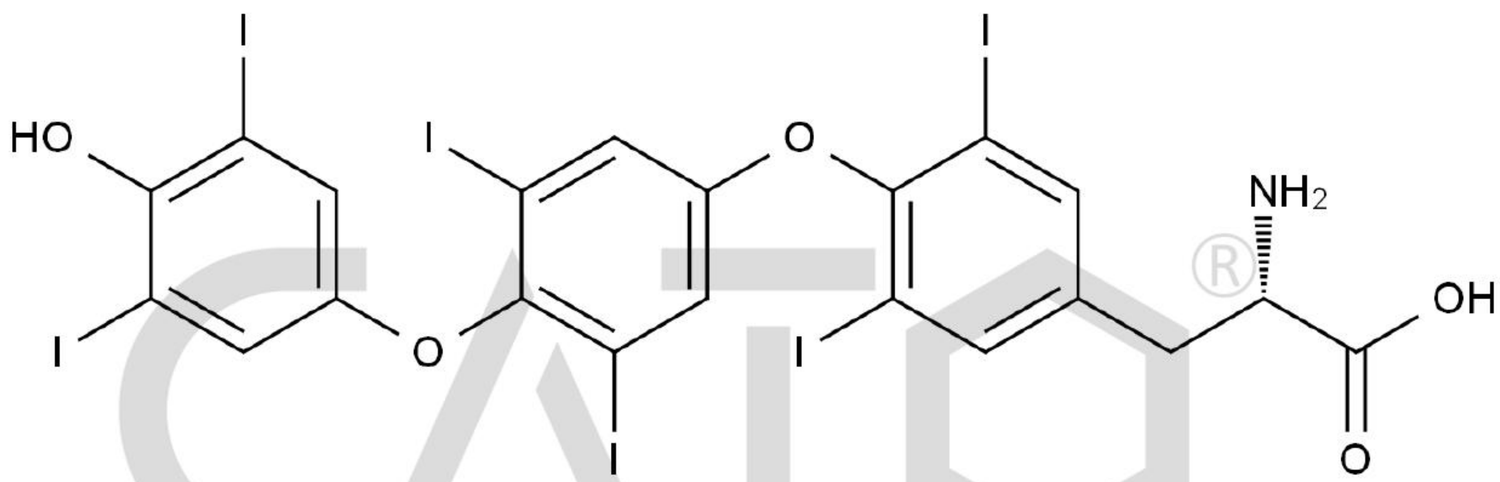
Certificate of Analysis

Reference Material & Standard

Product Name:	Levothyroxine EP Impurity F	**Catalogue Number:**	C4X-16786
Synonyms:	Levothyroxine T6 impurity; O-(4-Hydroxy-3,5-diiodophenyl)thyroxine	**Lot Number:**	1010-RH-0097
CAS Number:	911661-90-0	**Expiry Date:**	Nov 03, 2030
Molecular Formula:	$C_{21}H_{13}I_6NO_5$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	1120.76	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Brown Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.40%
Loss on Drying	TGA	0.5407%
Assay	Mass Balance	95.9%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity HPLC (%) /100%*
Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Alice Date: Nov 04, 2026

Reviewed by: Hinlam Date: Nov 04, 2026

Approved by General Manager: David Date: Nov 04, 2026

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