

Certificate of Analysis

Date of Testing: 2025-06-16 13:58:01
Date of Next Testing: 2027-06-16 13:58:01
Product Name: **3,5-Diiodo-L-tyrosine dihydrate**
CAS Number: 18835-59-1
Specifications & Purity: $\geq 98\%$
Lot #: H2303406
SKU #: **D132937**
Version: **1**
Analysis #: **511699**
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Carbon by Elemental Analysis	22.5-24.2 (%)	22.51%
Purity(HPLC)	98-100 (%)	99.18600%
Specific Rotation $[\alpha]_{20/D}(c=5 \text{ in } 1\text{mol/L HCl})$	0.8-1.5 ($^{\circ}$)	1.25 $^{\circ}$
Water by Karl Fischer	5.9-9.4 (%)	5.92%
Appearance (D132937)	White to yellow powder or crystals	White to yellow powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager