



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-498714
Lot Number: SAMPLE
Product Name: 3',5'-Diiodo-L-thyronine
CAS Number: 4192-14-7
Molecular Formula: $C_{15}H_{13}I_2NO_4$
Molecular Weight: 525.08
Native Source: Synthetic

Test	Specification	Result
Appearance		Yellow solid
Identification (FTIR)		Consistent with structure
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Identification (TLC)		Complies
Purity (UHPLC)		97.10%
Atmosphere		Inert gas
Melting Point		> 173°C (dec.)
Solubility		Aqueous Base (Slightly), Ethanol : 1N Hydrochloric Acid = 2 : 1 (Slightly)
Specific Rotation		+12.0° (c = 0.3, Ethanol : 1N HCl = 2 : 1)
hydrate Content	2.5%	2.56%
Carbon Content	34.31%	34.61%
Nitrogen Content	2.67%	2.815

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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