

3050 Spruce Street, Saint Louis, MO 63103, USA

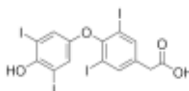
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## Certificate of Analysis

Product Name:

3,3',5,5'-Tetraiodothyroacetic acid

**Product Number:** T3787  
**Batch Number:** 108M4074V  
**Brand:** SIGMA  
**CAS Number:** 67-30-1  
**Formula:** C<sub>14</sub>H<sub>8</sub>I<sub>4</sub>O<sub>4</sub>  
**Formula Weight:** 747,83 g/mol  
**Storage Temperature:** Store at -20 °C  
**Quality Release Date:** 21 AUG 2018  
**Recommended Retest Date:** AUG 2021



Test	Specification	Result
Appearance (Form)	Powder	Powder
Appearance (Colour)	Off White to Yellow and Faint Beige to Beige and Yellow-Beige	Faint Beige
Solubility (Solvent)	Acetone	Acetone
Solubility (Conc)	19.60 - 20.40 mg/ml	20.00 mg/ml
Solubility (Turbidity)	Clear	Clear
Solubility (Color)	Colorless to Yellow	Colorless
Water (by Karl Fischer)	≥ 0.00 %	0.41 %
Elemental Anal. (%C observed)	21.90 - 23.10 %	22.63 %
Elemental Anal. (%I observed)	66.20 - 69.60 %	67.45 %
Purity (TLC)	≥ 98.00 %	99.50 %
NMR (Solvent)	DMSO-d <sub>6</sub>	DMSO-d <sub>6</sub>
Identity by NMR	Consistent	Consistent with Structure

Theo Ackermann PhD MScEng CQM  
Manager, Quality and Regulatory Affairs  
Jerusalem, Israel IL

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](http://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.