

## Product Specification

Product Name:

**0.02 M Iodine in THF / Pyridine / Water (V / V / V = 70 : 20 : 10) PurOligo**

Product No.: PSR48563  
Brand: PureSynth  
CAS No.: Iodine: 7553-56-2  
Tetrahydrofuran: 109-99-9  
Pyridine: 110-86-1  
Water: 7732-18-5

Molecular Formula: Iodine: I<sub>2</sub>  
Tetrahydrofuran: C<sub>4</sub>H<sub>8</sub>O  
Pyridine: C<sub>5</sub>H<sub>5</sub>N  
Water: H<sub>2</sub>O

Molecular Weight: Iodine: 253.81 g/mol  
Tetrahydrofuran: 72.11 g/mol  
Pyridine: 79.10 g/mol  
Water: 18.01 g/mol

Test	Specification
Appearance	Clear, brown solution
Iodine Content (By Titration)	0.015 – 0.025 M
Refractive index	1.424 - 1.428

Application: Oxidation reagent for nucleic acid synthesis.

Specification No.: PO-1.0-QA/032

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For queries on this Specifications, please contact our technical team at [technical@pure-synth.com](mailto:technical@pure-synth.com)