

## Product Specification

Product Name:

**0.02 M Iodine in THF / Pyridine / Water (V / V / V = 66 : 22 : 12) PurOligo**

Product No.:	PSR48560
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
Tetrahydrofuran Content (By GC)	65.0 – 67.0 Vol%
Pyridine Content (By GC)	21.0 – 23.0 Vol%
Water Content (By Titration)	11.0 – 13.0 Vol%
Refractive index	1.426 – 1.430

Application: Oxidation reagent for nucleic acid synthesis.

Specification No.: PO-1.0-QA/029

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