

## Product Specification

Product Name:

**Capping B (Acetonitrile / Pyridine / N-methylimidazole, V / V / V = 50 : 30 : 20)**  
**PurOligo**

Product No.:	PSR48557
Brand:	PureSynth
CAS No.:	Acetonitrile: 75-05-8 Pyridine: 110-86-1 N-Methylimidazole: 616-47-7
Molecular Formula:	Acetonitrile: C <sub>2</sub> H <sub>3</sub> N Pyridine: C <sub>5</sub> H <sub>5</sub> N N-Methylimidazole: C <sub>4</sub> H <sub>6</sub> N <sub>2</sub>
Molecular Weight:	Acetonitrile: 41.053 g/mol Pyridine: 79.10 g/mol N-Methylimidazole: 82.10 g/mol

Test	Specification
Appearance	Clear, colorless to slightly yellow solution
Acetonitrile Content (By GC)	49.0 - 51.0 Vol%
Pyridine Content (By GC)	29.0 - 31.0 Vol%
N-Methylimidazole Content (By GC)	19.0 - 21.0 Vol%
Triazine (1,3,5-Trimethylhexahydro1,3,5-triazine) Content (By GC)	≤ 20 ppm
Water Content (By KF)	≤ 50 ppm
Acetonitrile Purity (By GC)	≥ 99.9%
Pyridine Purity (By GC)	≥ 99.5%
N-Methylimidazole Purity (By GC)	≥ 99.0%
Identification (By IR)	Conforms to structure

Application: Capping Reagent for Nucleic Acid Synthesis.

Specification No.: PO-1.0-QA/026

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For queries on this Specifications, please contact our technical team at technical@pure-synth.com