

Certificate of Analysis

Product Name:

**Capping A, 20 % NMI in ACN,
(Acetonitrile / N-methylimidazole, V / V = 80:20) PurOligo**

Product No.: PSR48548
Lot No.: Sample COA
Brand: PureSynth
CAS No.: N-methylimidazole: 616-47-7
Acetonitrile: 75-05-8
Molecular Formula: N-methylimidazole: C₄H₆N₂
Acetonitrile: C₂H₃N
Molecular Weight: N-methylimidazole: 82.10 g/mol
Acetonitrile: 41.053 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Clear Solution	Clear Solution
Acetonitrile Content (By GC)	77.0 – 83.0 Vol %	81.2 Vol%
N-Methylimidazole Content (GC)	17.0 – 23.0 Vol %	20.0 Vol %
Water Content (By KF)	NMT 50 ppm	32 ppm
Refractive Index	1.373 - 1.377	1.376
Identification by IR	Conforms to Structure	Conforms to Structure
Triazine (1,3,5 Trimethylhexahydro 1,3,5-triazine) Content (By GC)	≤ 20 ppm	16 ppm

Application: Capping Reagent for Nucleic Acid Synthesis.

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications
The current Specification sheet may be available at www.pure-synth.com
Inspect on receipt

Storage Condition:

Store at a room temperature and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.
For queries on this COA, please contact our technical team at technical@pure-synth.com