64683 Einhausen Marie-Curie-StraBe. 3, Germany
Website: www.pure-synth.com
Phone: 1800-8908-260
Email: info@pure-synth.com

PureSynth®
Research Chemicals

Certificate of Analysis

Product Name:
Ethylene oxide 1M in MeOH Pur*Cert* Secondary Working Standard for GC
[Includes all characterization data]

Product No.:	PSR46293
Lot No.:	Sample COA
Brand:	PureSynth
CAS No.:	75-21-8
Molecular Formula:	C_2H_4O
Molecular Weight:	44.05 g/mol
Date of Mfg.:	NA
Date of Exp.:	NA

Test	Specification	Result
Appearance	Colorless to yellow to brown Liquid	Colorless Liquid
Assay (By GC-FID)	≥ 99.0 %	99.95 %
Concentration	~ 1.0 M	1.03 M
Water (By KF)	NMT 0.500 %	0.150 %
Potency	-	99.80 %
Density	0.790–0.792 g/cm³	0.792 g/cm³
Identification by ^{1}H NMR	Conforms to structure	Conforms
Identification by Mass	Conforms to molecular mass	Conforms
Identification by IR	Conforms to structure	Conforms

***Traceable to Internal Reference Standard.**

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 temperature of 2-8°C 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