

Certificate of Analysis

Product Name:

Diethyl ether contains BHT as inhibitor, ACS **PurReagent ≥99.8%
Meets Reag. ISO, Reag. EP**

Product No.: PSR39933
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 60-29-7
Molecular Formula: C₄H₁₀O
Molecular Weight: 74.12 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless Liquid	Colorless Liquid
Assay (By GC)	≥ 99.8 %	99.95 %
Water (By KF)	NMT 0.03 %	0.005 %
Boiling range	34 – 35 °C	35 °C
Color (APHA)	NMT 10	< 10
Density (D20/4)	0.713-0.714 g/cm ³	0.713 g/cm ³
Non-Volatile Matter	NMT 0.001 %	0.0001 %
Aluminium (Al)	NMT 0.50 ppm	< 0.50 ppm
Boron (B)	NMT 0.02 ppm	< 0.02 ppm
Barium (Ba)	NMT 0.10 ppm	< 0.10 ppm
Calcium (Ca)	NMT 0.50 ppm	< 0.50 ppm
Cadmium (Cd)	NMT 0.05 ppm	< 0.05 ppm
Cobalt (Co)	NMT 0.02 ppm	< 0.02 ppm
Chromium (Cr)	NMT 0.02 ppm	< 0.02 ppm
Copper (Cu)	NMT 0.02 ppm	< 0.02 ppm
Iron (Fe)	NMT 0.05 ppm	< 0.05 ppm
Magnesium (Mg)	NMT 0.10 ppm	< 0.10 ppm
Manganese (Mn)	NMT 0.02 ppm	< 0.02 ppm
Nickel (Ni)	NMT 0.02 ppm	< 0.02 ppm
Lead (Pb)	NMT 0.05 ppm	< 0.05 ppm
Tin (Sn)	NMT 0.10 ppm	< 0.10 ppm
Zinc (Zn)	NMT 0.05 ppm	< 0.05 ppm
Carbonyl compounds (as CO)	NMT 0.001 %	< 0.001 %
Carbonyl compounds (as HCHO)	NMT 0.001 %	< 0.001 %
Free acid (as CH ₃ COOH)	NMT 0.0002 %	< 0.0002 %
Peroxides (as H ₂ O ₂)	NMT 0.3 ppm	< 0.3 ppm

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

Test	Specification	Result
Methanol content	NMT 0.02 %	< 0.02 %
Acetone content	NMT 0.005 %	< 0.005 %
Ethanol content	NMT 0.02 %	< 0.02 %
Aldehydes	Complies	Complies
Reaction against H ₂ SO ₄	Complies	Complies
BHT content (by GC)	5-8 ppm	6 ppm

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 room temperature and keep the container tightly closed

PureSynth Research Chemicals GmbH

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

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