



Certificate of Analysis

Diethyl Ether 99% AR

Chemical/Physical Properties and other data:

Manufacture Date: 02/2026
Expiry Date: 01/2031
Batch Number: AF02263633
Catalogue: CM.11781.2500

Chemical Formula: (C₂H₅)₂O
Grade: Conforms to AR
Appearance: Clear colorless liquid, with characteristic odor
Molar Mass: 74.12 g/mol

Elements	*Specification
Appearance	Clear colorless liquid, with characteristic odor
Assay	Min 99.0%
Colour scale	Max 10 APHA
Weight/ mL at 20°C	0.713 - 0.715 g/ml
Refractive index (20°C; 589 nm)	1.351 - 1.353
Insoluble matter in water	Nil
Water (H ₂ O)	Max 0.2%
Acidity (as CH ₃ COOH)	Max 0.0002% meq/gm
Nonvolatile matter	Max 0.001%
Aldehydes and ketones (as CH ₃ CHO)	Max 0.002%
Ethanol (C ₂ H ₅ OH)	Max 0.05%
Peroxide (as H ₂ O ₂)	Max 0.0001%
Odorous Impurities	Passes test
Substance darkened by H ₂ SO ₄	Passes test

*The above product complies as per the specifications.

** The above product results are as per the manufacturers certificate of analysis.

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