

**Product Name:** Diethyl ether, Spectrophotometric Grade, 99+%, inhibitor free, Thermo Scientific Chemicals  
**Catalog Number:** 040976.M1

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**CAS Number:** 60-29-7  
**IUPAC Name:** ethoxyethane  
**Molecular Formula:** C<sub>4</sub>H<sub>10</sub>O  
**Molecular Weight:** 74.12  
**InChI Key:** RTZKZFJDLAIYFH-UHFFFAOYSA-N  
**SMILES:** CCOCC  
**Synonym:** diethyl ether anesthetic ethyl ether diethyl oxide ether ethylique sulphuric ether anesthesia ether solvent ether diethylaether diaethylaether anesthetic ether

## Product Specification

**Optical Absorbance at:** 215nm: ≤1.00 AU  
**Peroxide content:** ≤ 5ppm ( at time of packaging)  
**Assay (GC):** ≥99.0%  
**Optical Absorbance at:** 230nm: ≤0.30 AU  
**Optical Absorbance at:** 300nm: ≤0.005 AU  
**Water Content (Karl Fischer Titration):** ≤0.05%  
**Optical Absorbance at:** 254nm: ≤0.08 AU  
**Residue on Evaporation:** ≤5ppm

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**Date Of Print:** 05/12/2024

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*