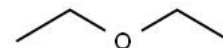


Technical Data Sheet

Diethyl ether

Compound Information

Product Name:	Diethyl ether
CAS No.:	60-29-7
Molecular Formula:	C ₄ H ₁₀ O
Molecular Weight:	74.12
Revision Date:	2026-04-16



Analytical Information

Tests	Specifications
Description	Clear colourless mobile liquid.
Grade	HPLC & Spectroscopy
Solubility	Soluble in water, miscible with ethanol (96 per cent), with methylene chloride and with fatty oils. It is highly flammable.
Purity	Min. 99.50%
Boiling point(95%)	34° - 35°C
Wt. per ml,20°C	0.713 - 0.715g
Refractive Index	<i>n</i> ₂₀ /D 1.3530(lit.)
UV absorbance profile (10mm cell)@210nm	1.0 max
UV absorbance profile (10mm cell)@250nm	0.1 max
UV absorbance profile (10mm cell)@300nm	0.01 max
Water	0.05% max
MS	Pass test
1H NMR	Pass test
13C NMR	Pass test
IR	Pass test
Raman	Pass test

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with anyother materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of thedate indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability orcompleteness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user'sresponsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.