

Technical Data Sheet

Pentane

Compound Information

Product Name:	Pentane
CAS No.:	109-66-0
Molecular Formula:	C ₅ H ₁₂
Molecular Weight:	72.15
Revision Date:	2026-04-16

Analytical Information

Tests	Specifications
Description	A clear liquid with a characteristic odour.
Grade	AR Dry Solvent
Solubility	ethanol: soluble(lit.)
Colour	Not more than 10 Hazen units in colour.
Purity	Min. 99.00%
Wt. per ml, 20 deg C	0.625 - 0.626g
Refractive Index	<i>n</i> _{20/D} 1.358
Bromine no.	0.50 max
Acidity(C ₄ H ₉ COOH)	0.001% max
Non-volatile matter	0.002% max
Sulphur compounds(as CS ₂)	0.0003% max
Copper(Cu)	0.00002% max
Iron(Fe)	0.00005% max
Lead(Pb)	0.00002% max
Substances darkened by sulphuric acid(H ₂ SO ₄)	Passes test
Water	0.01% max
MS	Pass test
1H NMR	Pass test
13C NMR	Pass test
IR	Pass test

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