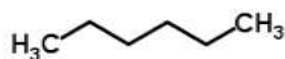


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

N-HEXANE 99 % AR

Normal Hexane, Sextane



Product Code	B-3059	Grade	Analytical Reagent
Purity	99 %	CAS No	110-54-3
Molecular Formula	C ₆ H ₁₄	Molecular Weight	86.18 g/mol
H.S.Code	2901.2990	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colourless
Odour	Hydrocarbon-like	Melting Point/ Freezing point (°C)	-95 °C
Boiling Point	69°C	Flash point	-22 °C
Solubility in water (% weight)	0,01 g/l at 25 °C - slightly soluble	Vapour pressure mm/Hg	175,98 hPa at 20,0 °C
Auto-ignition temperature (°C)	225°C at 1.013 hPa	Relative density (g/cm³)	0,659 g/mL at 25 °C
Explosion limits-lower (%)	1.0 %	Partition coefficient: noctanol/water	log Pow: ca.4 at 20 °C
Evaporation rate	15,8	Explosion limits – upper (%)	8,1 %

Packaging

500 ml & 2500 ml

Specification

Appearance	A clear colorless liquid
Assay (by GC)	min 99.0 %
Wt. Per ml at 20 °C	0.658 – 0.669 g/cm ³
Colour	max 10 Hazen
Non-volatile matter	max 0.001 %
Water (H ₂ O)	max 0.05 %
Acidity (as CH ₃ COOH)	max 0.001 %
Alkaniity (as NH ₃)	max 0.001 %
Sulphuric compounds (as CS ₂)	max 0.0003 %

Aromatic hydrocarbon (asC ₆ H ₆)	max 0.01 %
Copper (Cu)	max 0.00001 %
Iron (Fe)	max 0.00001 %
Lead (Pb)	max 0.00001 %
Zinc (Zn)	max 0.00001 %
Substance darkened by H ₂ SO ₄	passes test

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08, GHS09

Signal Word: Danger

UN No.: 1208

IMCO Class No.: 3

Packing Group: II

Hazardous Statement: H225-H304-H315-H336-H361f-H373-H411

Precaution Statement: P210-P261-P273-P281-P301 + P310-P331