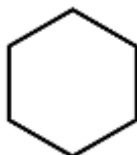


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

CYCLOHEXANE 99,5 % AR

Hexahydrobenzene, Hexamethylene, Hexamethyl Napthane



Product Code	B-3021	Grade	Analytical Reagent
Purity	99,5%	CAS No	110-82-7
Molecular Formula	C ₆ H ₁₂	Molecular Weight	84.16 g/mol
H.S.Code	2902.1100	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colourless
Odour	Sweet	Melting Point/ Freezing point (°C)	4 - 7°C
Boiling Point	80.7°C	Auto ignition temperature (°C)	260°C
Flash point (°C)	-20°C	Vapour pressure (24 °C)	124 hPa at 24 °C
Relative density	0,779 g/cm ³ at 25 °C	Explosion limits – lower (%)	1,2%
Solubility in water (% weight)	52 g/l at 23,5 °C	Partition coefficient Log Pow octanol / water at 25°C	3.44
Explosion limits – upper (%)	8,3%		

Packaging

500 ml

Specification

Appearance	clear colorless liquid
Assay (by GC)	min 99.5 %
Wt. Per ml at 20 °C	0.777 – 0.779 g/cm ³
Colour	max 10 Hazen
Refractive Index (n _D ²⁰)	1.426 – 1.427
Non-volatile matter	max 0.001 %
Water (H ₂ O)	max 0.02 %
Benzene (C ₆ H ₆)	max 0.01 %
Cyclohexene (C ₆ H ₁₀)	max 0.01 %

Substances darkened by H₂SO₄ passes test

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08, GHS09

Signal Word: Danger

UN No.: 1145

IMCO Class No.: 3

Packing Group: II

Hazardous Statement: H225-H304-H315-H336-H410

Precaution Statement: P210-P233-P273-P301+P310-P303+P361+P353-P331