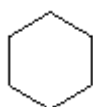


**PRODUCT CODE: 131250****Cyclohexane (Reag. USP, Ph. Eur.) for analysis, ACS, ISO** C_6H_{12} C_6H_{12} 

M.= 84,16

CAS [110-82-7]

EINECS 203-806-2

TARIC 2902 11 00 00

SYNONYMS: Hexahydrobenzene, Hexamethylene, Hexanaphtene**PHYSICAL DATA:** liquid, Clear, Colourless, D 20/4 0,7781 • M.P.: 6,47 °C • B.P.: 80,7 °C • n₂₀/D : 1,4266 • Flash P.: -18 °C • Ign. T.:260 °C • Vap. press. (20 °C) 104 hPa • Viscosity 20 °C 0,94 mPa.s • Dielec. constant20 °C 2 • Heat evap. 81 °C 389 KJ/Kg • Satur. conc. 20 °C 357 g/m³ • Expl. limit1,2 %(V)8,3 %(V) •**BIBLIOGRAPHY:** Merck Index **12**, 2.792 13, 2.752 Sax **CPB000** • Safety **2** , **959 D** • Kühn-Birett **C 34** • Ullmann **(5.)8** , 209 • Beilstein **5** , **20 I** , **6 II** , **6 III** , **18 IV** , **27** • BRN 1900225 • ACS **XI** • ISO 6353/2-1983 R - 10 , 13 •**HAZARDOUS:** C.E: 601-017-00-1 • RTECS: GU 6300000 • LD50 oral rat 12.705 mg/kg • LC50 rat 32880mg/m³ / 4h • LD50 skn rbt >2.000 mg/kg • VLA-ED 200 ppm700 mg/m³

H: H225 • H315 • H304 • H336 • H410 •

P: P210 • P243 • P280 • P301+P310 • P331 • P303+P361+P353 • P332+P313 • P273 • P391 • P501 •

TRANSPORT REGULATIONS: UN: 1145 • ADR: 3/II • IMDG: 3/II • IATA: 3/II • PAX: 353 • CAO: 364 • (D/E) •**WEIGHT/VOLUME INFORMATION:** 1l~0,778 kg 1kg~1,285 l

SPECIFICATIONS:

Minimum assay (G.C.)	99,5%
Identity :	
Identity	IR passes test
Density at 20/4	0,776-0,780
Freezing point	>6,0°C

Maximum limit of impurities

APHA colour	10
Acidity	0,0003 meq/g

Non-volatile matter	0,001 %
Reducing substance to KMnO ₄	passes test
Darkened substances by H ₂ SO ₄	passes test
Sulfur compounds (as S)	0,002 %
Aromatic compounds (U.V.) (as C ₆ H ₆)	0,01%
Cyclohexene (G.C.)	0,01%
Cyclopentane (G.C.)	0,05%
Methylcyclohexane (G.C.)	0,05%
Thiophene	passes test
Water (H ₂ O)	0,01 %

Metals by ICP [in mg/Kg (ppm)]

Ag	0,05
Al	0,5
As	0,05
Au	0,05
B	0,02
Ba	0,1
Be	0,02
Bi	0,05
Ca	0,5
Cd	0,05
Co	0,02
Cr	0,02
Cu	0,02
Fe	0,1
Ga	0,02
Ge	0,05
Hg	0,05
In	0,05
K	0,1
Li	0,05
Mg	0,1
Mn	0,02
Mo	0,02
Na	0,5
Ni	0,02
P	0,2
Pb	0,05
Pt	0,02
S	0,2
Sb	0,02
Si	0,2
Sn	0,1
Sr	0,2
Ti	0,02
Tl	0,02

V	0,02
Zn	0,1
Zr	0,02

Ed.: 5 . Vig.: 14.05.2019 .

Prod.: 131250