

# SYSTEM

## Specification

PRODUCT NAME : Cyclohexane, ChemAR®  
CATALOGUE NUMBER : CY099-50  
FORMULA : C<sub>6</sub>H<sub>12</sub>  
MOLECULAR WEIGHT : 84.16g  
CAS. NUMBER : [110-82-7]

IMDG class : 3

UN No : 1145

Packaging group : II

**HAZARD STATEMENT:** H225,H304,H315,H336,H410

**PRECAUTIONARY STATEMENT:** P210,P243,P280,P273,P301+P352,P304+P340,P309+P310

**Risiko (Risks):**R11,R38,R65,R67,R50/53

**Keselamatan (Safety):**S9,S16,S25,S33,S60,S61,S62

### Specification

Assay (GC)	min.99.5	%
Identity(IR)	passes	test
Density 20/4°	0.776-----0.780	
Non-volatile matter	max.0.001	%
Cyclohexane(GC)	max0.01	%
Cyclopentane(GC)	max.0.005	%
Methylcyclohexane(GC)	max.0.05	%
Reducing substances by KMn <sub>4</sub>	passes	test
Darken substances by H <sub>2</sub> SO <sub>4</sub>	passes	test
Aromatic compounds(C <sub>6</sub> H <sub>6</sub> )	max.0.01	%
Sulphur compounds(as S)	max.0.002	%
Acidity(as CH <sub>3</sub> COOH)	max.0.002	%
Water(H <sub>2</sub> O)	max.0.02	%
Thiophene	passes	test
Cadmium(Cd)	max.0.000005	%
Calcium(Ca)	max.0.00005	%
Cobalt(Co)	max.0.000002	%
Chromium(Cr)	max.0.000002	%
Copper(Cu)	max.0.000002	%
Iron(Fe)	max.0.00001	%
Lead(Pb)	max.0.00001	%
Magnesium(Mg)	max.0.00001	%
Manganese(Mn)	max.0.000002	%
Nickel(Ni)	max.0.000002	%
Zinc(Zn)	max.0.00001	%
Wt/ml at 20°C	0.78g	
Melting point:	6.5°C;	
Boiling point:	80°C	



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