



# Product Specification

## Product Name: iso-AMYL ALCOHOL AR

Alternate Name(s) 3-Methyl-1-butanol, Isopentyl alcohol

### Description

Clear, colourless liquid with disagreeable odour. Soluble in water, miscible with ethanol and ether.

### Properties

Chemical Formula:

Molecular Weight: 88.15

Product Code: AA015

CAS No. 123-51-3

### General Information:

### Hazard and Safety Data

UN Group: III  
Class: 3  
UN Number: 1105  
Hazchem code: •2YE  
CS MSDS Code: 1CH3H  
Poison schedule: Not scheduled  
Emergency Procedure Guide No.: 45

### Quality Specification

Assay: 98.5% min.

### Specific Properties and Impurities [Typical levels]:

Identity (IR-spectrum)	Passes test
Colour (Hazen)	≤ 10
Titrate acid	≤ 0.002 meq/g
Acids, esters (as pentylacetate)	≤ 0.06%
Carbonyl cmpds (as HCHO)	≤ 0.005%
Subs darkened by H <sub>2</sub> SO <sub>4</sub>	Passes test
Residue after evaporation	≤ 0.002%
Water (H <sub>2</sub> O)	≤ 0.2%
Furfural	≤ 0.0001%
2,2-dimethyl-1-propanol	≤ 0.2%
2-methyl-1-butanol	≤ 1%
1-pentanal	≤ 0.5%
1-pentanol	≤ 0.5%
Aluminium (Al)	≤ 0.00005%
Barium (Ba)	≤ 0.00001%
Boron (B)	≤ 0.000002%
Cadmium (Cd)	≤ 0.000005%
Calcium (Ca)	≤ 0.00005%
Chromium (Cr)	≤ 0.000002%
Cobalt (Co)	≤ 0.000002%
Copper (Cu)	≤ 0.000002%
Iron (Fe)	≤ 0.00001%
Lead (Pb)	≤ 0.00001%
Magnesium (Mg)	≤ 0.00001%
Manganese (Mn)	≤ 0.000002%
Nickel (Ni)	≤ 0.000002%

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Tin (Sn)	≤ 0.00001%
Zinc (Zn)	≤ 0.00001%

CONFORMS TO ACS

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