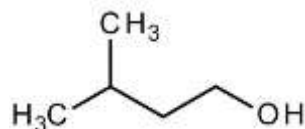


TIQ-F-QC-003  
 Rev.00

## Technical Data Sheet

### ISO-AMYL ALCOHOL 99 % AR

3-Methyl-1-butanol, Isopentyl alcohol



<b>Product Code</b>	B-3042	<b>Grade</b>	Analytical Reagent
<b>Purity</b>	99%	<b>CAS No</b>	123-51-3
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>12</sub> O	<b>Molecular Weight</b>	88.15 g/mol
<b>H.S.Code</b>	2905.1990	<b>Shelf Life</b>	60 Months

## Physical Properties

<b>Physical state at 20 °C</b>	Liquid	<b>Colour</b>	Colorless
<b>Melting Point</b>	-147 °C at 1.013 hPa	<b>Vapour pressure</b>	3 hPa at 20 °C
<b>pH value</b>	5,6 at 25 g/l at 20 °C	<b>Density</b>	0,81 g/cm <sup>3</sup> at 20 °C
<b>Flash point</b>	43,5 °C	<b>Partition coefficient: noctanol/water</b>	log Pow: 1,35 at 23 °C
<b>Auto-ignition temperature</b>	335 °C at 1.013 - 1.017 hPa	<b>Explosion limits – upper (%)</b>	8
<b>Explosion limits-lower (%)</b>	1,2		

## Packaging

2500 ml

## Specification

Appearance	Clear colorless liquid
Total Assay of isomers (GC)	min 99.0 %
Colour	max 10 Hazen
Identity (IR)	conforms
Wt. Per ml at 20 °C	0.810 - 0.812 g/cm <sup>3</sup>
Free acid ( as acetic acid)	max 0.005 %
Furfural	passes test
Sudstance discoloured by H <sub>2</sub> SO <sub>4</sub>	passes test
Non-volatile matter	max 0.01 %
Water (H <sub>2</sub> O)	max 0.2 %

## Safety Information and Hazard Symbols



Symbol: GHS03, GHS05, GHS07

Signal Word: Danger

UN No.: 1105

IMCO Class No.: 3

Packing Group: III

Hazardous Statement: H226-H315-H318-H332-H335

Precaution Statement: P210-P233-P280-P303+P361+P353-P304+P340+P312-P305+P351+P338