



Specification

2-Propanol *BioChemica*

A3465

Refractive Index:	n ₂₀ /D 1.377 (abs.)
Physical Description:	Liquid
Product Code:	A3465
Product Name:	2-Propanol <i>BioChemica</i>
Specifications:	<p>Assay (GC): min. 99.7 %</p> <p>Acidity/Alkalinity: max. 0.0005 meq/g</p> <p>Non-volatile matter: max. 0.001 %</p> <p>Total P: max. 0.00005 %</p> <p>Total S: max. 0.00005 %</p> <p>Heavy metals (as Pb): max. 0.0005 %</p> <p>Total Si: max. 0.000005 %</p> <p>Insoluble matter: passes test</p> <p>C4-Alcohols: max. 0.005 %</p> <p>C5-Alcohols: max. 0.005 %</p> <p>Ethanol: max. 0.01 %</p> <p>Methanol: max. 0.1 %</p> <p>n-Propanol: max. 0.05 %</p> <p>Water (K.F.): max. 0.1 %</p>
Hazard pictograms	 
UN:	1219
Class/PG:	3/II
ADR:	3/II
IMDG:	3/II

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Specification

2-Propanol BioChemica

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IATA:	3/II
WGK:	1
Storage:	RT
Signal Word:	Danger
GHS Symbols:	GHS02 GHS07
H Phrases:	H225 H319 H336
P Phrases:	P210 P233 P305+P351+P338
Molecular Formula:	CH ₃ CHOHCH ₃
M:	60.10 g/mol
CAS:	67-63-0
EINECS:	200-661-7
CS:	29051200
Index Nr.:	603-117-00-0
Comment	Isopropanol is used for the precipitation of nucleic acids. While ethanol is added 2.5 times the volume of the nucleic acid-containing sample, isopropanol is added in an equal volume. A precipitate is formed without cooling in an ice basket or at -20°C. The advantage of isopropanol is the reduced total volume. The major disadvantages are the removal by lyophilization, which works better with ethanol, also salts may coprecipitate with the DNA. Therefore, the isopropanol precipitation is performed subsequent to the ethanol precipitation.
Bibliography	(1)Wallace, D.M. (1987) <i>Methods Enzymol.</i> 152 , 41-48Precipitation of nucleic acids.

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