

Material 20904.465
 Material description 2-Propanol
 Grade Ph.Eur./USP

CAS Number 67-63-0
 Molecular formula $(\text{CH}_3)_2\text{CHOH}$
 Molecular mass 60.10

Additional information

Characteristics	Specifications
Appearance	Clear colourless liquid
Relative density	0.785 - 0.789
Residual solvents (CPMP/ICH/283/95)	Conforms
Residues of metal catalysts or reagents	Conforms
As (Arsenic)	≤ 0.1 ppm
Cd (Cadmium)	≤ 0.1 ppm
Co (Cobalt)	≤ 0.1 ppm
Hg (Mercury)	≤ 0.1 ppm
Ni (Nickel)	≤ 0.1 ppm
Pb (Lead)	≤ 0.1 ppm
V (Vanadium)	≤ 0.1 ppm
Conforms to Ph.Eur./USP	Passes test
Ph.Eur. specifications:	.
Identification B [Ph.Eur.]	1.376 - 1.379
Identification C	Passes test Ph.Eur.
Appearance test	Passes test Ph.Eur.
Acidity or alkalinity	Passes test Ph.Eur.
Absorbance (230 nm) [Ph.Eur.]	≤ 0.30
Absorbance (250 nm) [Ph.Eur.]	≤ 0.10
Absorbance (270 nm) [Ph.Eur.]	≤ 0.03
Absorbance (290 nm) [Ph.Eur.]	≤ 0.02
Absorbance (310 nm) [Ph.Eur.]	≤ 0.01
Absorption curve (*)	Passes test Ph.Eur.
Benzene [Ph.Eur.]	≤ 2 ppm
Total of impur. excl. 2-butanol [Ph.Eur.]	≤ 0.3 %
Peroxides	Passes test Ph.Eur.
Non-volatile substances [Ph.Eur.]	≤ 20 ppm
Water [Ph.Eur.]	≤ 0.5 %

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Characteristics	Specifications
USP specifications:	.
Assay [USP]	≥ 99.0 %
Identification A	Passes test USP
Identification B	Passes test USP
Identification C	Passes test USP
Methanol [USP]	≤ 0.02 %
Each other indiv. known impurity [USP]	≤ 0.1 %
Individual unspecified impurity [USP]	≤ 0.1 %
Total impurities [USP]	≤ 1.0 %
Limit of nonvolatile residue [USP]	≤ 0.005 %
Specific gravity (25°C) [USP]	0.783 - 0.787
Refractive index (20°C) [USP]	1.376 - 1.378
Acidity	Passes test USP
Water determination [USP]	≤ 0.5 %

Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

Anja Vanhalle, Head of Laboratory - Haasrode
VWR International bv; Geldenaaksebaan 464; BE-3001
Leuven; Belgium

Additional information

Residues of metal catalysts or reagents: Conforms to EMEA/CHMP/SWP/4446/2000

Not for use as Active Pharmaceutical Ingredient (API)

(*) Absorption curve: The spectrum shows a steadily descending curve with no observable peaks or shoulders.