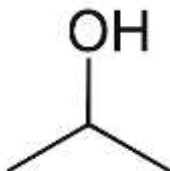


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

ISO-PROPYL ALCOHOL 99.5 % AR

2-Propanol, Isopropanol, IPA



Product Code	B-3045	Grade	Analytical Reagent
Purity	99,5%	CAS No	67-63-0
Molecular Formula	(CH ₃) ₂ CHOH	Molecular Weight	60.10 g/mol
H.S.Code	2905.1220	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colourless
Odour	Alcohol-like	Melting Point/ Freezing point (°C)	-89,5°C
Boiling Point	82°C	Viscosity	2,2 mPa.s at 20 °C
Relative density (g/cm ³)	0,785 g/cm ³ at 25 °C	Vapour pressure (20 °C)	43 hPa at 20 °C
Flash point (°C)	12°C	Partition coefficient Log Pow octanol / water at 20°C	0.05
Vapour Density	2.07	Explosion limits – upper (%)	13,4%
Solubility in water (% weight)	at 20 °C soluble	Explosion limits – lower (%)	2%
Auto ignition temperature (°C)	425,0°C	Evaporation rate	3,0

Packaging

500 ml & 2500 ml

Specification

Appearance	Clear colorless liquid
Assay (GC)	min 99.5 %
Identity (acc.to pharmacopies)	passes test
Wt. Per ml at 20 °C	0.785 – 0.787 g/cm ³
Colour	max 10 Hazen
Refractive Index (n _D ²⁰)	1.376 – 1.378
Water (H ₂ O)	max 0.1 %
Non-volatile matter	max 0.002 %

Acidity (C_2H_5COOH)	max 0.001 %
Aldehydes and ketones [$(CH_3)_2CO$]	max 0.005 %
Benzene (C_6H_6)	max 0.0002 %
Ethanol (C_2H_5OH)	max 0.05 %
Methanol (CH_3OH)	max 0.01 %
Peroxide (as H_2O_2)	passes test
Copper (Cu)	max 0.0002 %
Iron (Fe)	max 0.0002 %
Lead (Pb)	max 0.0002 %
Substances Reducing Permanganate (as O)	max 0.0005 %

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07, GHS08

Signal Word: Danger

UN No.: 1219

IMCO Class No.: 3

Packing Group: II

Hazardous Statement: H225-H319-H336-

Precaution Statement: P210-P261-P305 + P351 + P338