

TIQ-F-QC-003

Rev.00

Technical Data Sheet**n-Butanol 99,5 % AR**

1-Butanol, n-Butyl Alcohol



Product Code	B-3056	Grade	Analytical Reagent
Purity	99,5 %	CAS No	71-36-3
Molecular Formula	CH ₃ (CH ₂) ₃ OH	Molecular Weight	74.12 g/mol
H.S.Code	2905.1300	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colourless
Odour	Strong characteristic, mildly alcoholic odor	Melting Point/ Freezing point (°C)	-90°C
pH	7 at 70 g/l at 20 °C	Flash point	35 °C
Boiling Point	116 - 118°C	Vapour pressure (20 °C)	<10 hPa at 20 °C
Relative density, gas (air=1)	0,81 g/mL at 25 °	Solubility in water (% weight)	66 g/l at 20 °C
Vapour Density	2,56 at 20 °C	Explosion limits – upper (%)	11.20%
Explosion limits-lower (%)	1.40 %		

Packaging

500 ml & 2500 ml

Specification

Appearance	A clear colorless liquid
Assay (by GC)	min 99.5 %
Wt. Per ml at 20 °C	0.808 – 0.810 g/cm ³
Colour	max 10 Hazen
Refractive Index (n _D ²⁰)	1.399 – 1.400
Water-insoluble matter	Passes Test
Water (H ₂ O)	max 0.1 %
Non-volatile matter	max 0.003 %
Acidity (CH ₃ COOH)	max 0.003 %
Aldehydes and Ketones (C ₃ H ₇ .CHO)	max 0.015 %
Copper (Cu)	max 0.0001 %

Iron (Fe)

max 0.0002 %

Lead (Pb)

max 0.0001 %

Safety Information and Hazard Symbols



Symbol: GHS02, GHS05, GHS07

Signal Word: Danger

UN No.: 1120

IMCO Class No.: 3

Packing Group: III

Hazardous Statement: H226-H302-H315-H318-H335-H336

Precaution Statement: P210-P233-P301+P312-P303+P312- P303-P361+P353 P305+P351+P338