

Product: n-Butanol

Technical Data Sheet

Property	Unit	Specification	Test Method
Appearance		Bright and Clear	Visual
Color (Pt-Co)		Max 10	ASTM D1209
Water Content	Wt %	Max 0.100	ASTM D1364
n-Butanol	Wt %	Min 99.80	GC
iso-Butanol	Wt %	Max 0.10	GC
Free Acid as Acetic Acid	Wt %	Max 0.0050	ASTM D1613
Aldehydes as Butyaldehyde	Wt %	Max 0.05	GC
Density (20 °C)	g/mL	0.8090 - 0.8120	ASTM D4052
Distillation (760 mmHg)	°C		
- IBP		Min 116.0	ASTM D1078
- DP		Max 118.0	
Residue on Evaporation	mg/100mL	Max 1.0	ASTM D1353

Description

Normal Butyl Alcohol also known as NBA, n-Butanol, 1-butanol, butyric alcohol, is a colourless liquid with a mild odour. It is slightly miscible with water.

Resins and Coatings

NBA is used in lacquer thinners because of its strong latent solvent power for nitrocellulose. It is also an excellent solvent for most natural resins.

Manufacturing of other Chemicals

Butanol is used to produce butyl acetate through esterification and distillation with acetic acid via catalyst such as sulphuric acid. Used as an intermediate in amino resins, butyl acrylates and many other industrial chemicals production.

Other Applications

Used as an extraction agent in the manufacture of natural and synthetic products such as antibiotics, hormones, and vitamins.

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