

TERT.-BUTANOL PURE

TBA, TERT.-BUTYLALCOHOL; 2-METHYL-2-PROPANOL

CAS NO.

75-65-0

APPLICATIONS & PROPERTIES

Tert.-Butanol is a pure C4 alcohol which is especially suitable for manufacturing of organic peroxides.

PRODUCT SPECIFIC FEATURE

We offer TBA in two different qualities (pure and azeotropic).

Pure - TBA content > 99.65%

Azeotropic - TBA content $\geq$ 87.25%

APPLICATION FIELDS

For use in applications such as organic peroxides, antioxidants or pharmaceuticals.

TRANSPORT & LOGISTICS

The product is available in tank trucks, tank containers and barrels.

SPECIFICATION

Property	Value	Unit	Method
Content of TBA	min. 99.65	% (m/m)	GC: AA-0785-04-012 ^{*)}
sec.-Butanol	max. 0.25	% (m/m)	GC: AA-0785-04-012 ^{*)}
Water	max. 300	mg/kg	AA-0785-04-033 ^{*)}
Vaporation residue	max. 1	mg/100 ml	DIN 53 172
C4-C12 hydrocarbons	max. 0.05	% (m/m)	AA-0785-04-012 ^{*)}
Acid number	max. 0.01	mg KOH/g	DIN EN ISO 2114
Colour number	max. 10	–	DIN ISO 6271

^{*)} inhouse-method

^{*)} Karl-Fischer-titration, coulometric determination

PHYSICAL DATA (LITERATURE DATA)

Property	Value(ca.)	Unit
Molecular mass C ₄ H ₁₀ O	74.12	–
Relative density d ₄ ³⁰	0.774	g/cm ³
Solidification point	25.5	°C
Boiling point a 1013 mbar	82.5	°C
Refractive index n _D ³⁰	1.3822	–
Specific heat at 30 °C	2.97	kJ/kg K
Heat of vaporisation at b.p.	570.3	kJ/kg
Evaporation number (Ether = 1)	11	–
Viscosity at 30 °C	3.3	mPa s
Dielectric constant at 30 °C	11.2	–

VAPOUR Pressure (at 20°C)

°C	10	20	30	40	50	60
Tert.-butanol	–	40.7	76.2	137.8	236.0	385.7

Disclaimer

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