

AL0177 2-Butanol, ExpertQ®, for analysis



assay (G.C.) min. 99,5 %
identity (IR-spectrum) passes test
density (20°/4°) 0,805 - 0,809
colour (Hazen) max. 10
acidity max. 0,0005 meq/g
aluminium (Al) max. 0,5 ppm
alkalinity max. 0,0002 meq/g
barium (Ba) max. 0,1 ppm
boron (B) max. 0,02 ppm
cadmium (Cd) max. 0,05 ppm
calcium (Ca) max. 0,5 ppm
chromium (Cr) max. 0,02 ppm
cobalt (Co) max. 0,02 ppm
copper (Cu) max. 0,02 ppm

iron (Fe) max. 0,1 ppm
lead (Pb) max. 0,1 ppm
magnesium (Mg) max. 0,1 ppm
manganese (Mn) max. 0,02 ppm
nickel (Ni) max. 0,02 ppm
tin (Sn) max. 0,1 ppm
zinc (Zn) max. 0,1 ppm
tert-butanol (G.C.) max. 0,1 %
dibutyl ether (G.C.) max. 0,2 %
methyl ethyl ketone (G.C.) max. 0,1 %
2-propanol (G.C.) max. 0,2 %
substances darkened by H₂SO₄ passes test
residue on evaporation max. 0,001 %
water (K.F.) max. 0,2 %

ART. NO.	VOLUME	CONTAINER
AL01771000	1 l	0
AL01772500	2,5 l	0

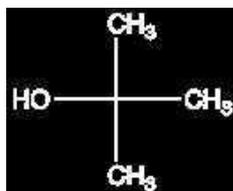
AL0181 2-Butanol, standard substance for GC



assay 99,9%
over ramp 40°C, 5°C/min 120°C, 30°C/min 200°C
identity IR

ART. NO.	VOLUME	CONTAINER
AL01810005	5 ml	0

tert-BUTANOL



- Synonyms: 2-Methyl-2-propanol, Trimethylcarbinol, tert-Butyl alcohol
- (CH₃)₃COH
- M = 74,12 g/mol
- CAS [75-65-0]
- EINECS-No.: 200-889-7
- Density: 0,78 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: 25,3 °C
- Boiling point: 82 - 83 °C
- Flash pt. 14 °C
- Ignition temp.: 490 °C
- Vapour pressure: (20 °C) 40,7 hPa

- Dielectric const.: (30 °C) 10,9
- LD 50 (oral, rat): 2733 mg/kg
- EC-Index-No.: 603-005-00-1
- ADR: 3 F1 II UN 1120
- IMDG: 3 II UN 1120
- IATA/ICAO: 3 II UN 1120
- GHS-signal word: Danger
- GHS-H sentences: H225 - H332 - H319 - H335
- GHS-P sentences: P210 - P241 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2905 14 10 00
- Applications: solvents, perfumery, as gasoline additive.

AL0180 tert-Butanol, EssentQ®



assay (G.C.) min. 99 %
identity (IR-spectrum) passes test
residue on evaporation max. 0,005 %
water (K.F.) max. 0,1 %

ART. NO.	VOLUME	CONTAINER
AL01801000	1 l	0
AL0180005P	5 l	0

ART. NO.	VOLUME	CONTAINER
AL0180025P	25 l	0

AL0183 tert-Butanol, ExpertQ®, for analysis, ACS

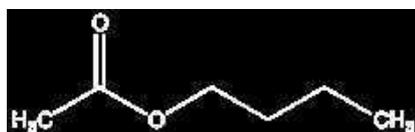


assay (G.C.) min. 99,5 %
identity (IR-spectrum) passes test
appearance clear
colour (Hazen) max. 10
acidity max. 0,0005 meq/g
alkalinity max. 0,0002 meq/g
aluminium (Al) max. 0,5 ppm
barium (Ba) max. 0,1 ppm
boron (B) max. 0,02 ppm
cadmium (Cd) max. 0,05 ppm
calcium (Ca) max. 0,5 ppm
chromium (Cr) max. 0,02 ppm

cobalt (Co) max. 0,02 ppm
copper (Cu) max. 0,02 ppm
iron (Fe) max. 0,1 ppm
lead (Pb) max. 0,1 ppm
magnesium (Mg) max. 0,1 ppm
manganese (Mn) max. 0,02 ppm
nickel (Ni) max. 0,02 ppm
tin (Sn) max. 0,1 ppm
zinc (Zn) max. 0,1 ppm
carbonyl compounds (as C₃H₇CHO) max. 0,01 %
residue on evaporation max. 0,001 %
water (K.F.) max. 0,1 %

ART. NO.	VOLUME	CONTAINER
AL01831000	1 l	0
AL01832500	2,5 l	0
AL0183005P	5 l	0
AL0183025P	25 l	0
AL0183200L	200 l	0

n-BUTYL ACETATE



- Synonyms: Acetic acid n-butyl ester
- C₈H₁₆O₂
- M = 116,16 g/mol
- CAS [123-86-4]
- EINECS-No.: 204-658-1
- Density: 0,88 g/cm³
- Solub. in water: (20 °C): 7 g/l
- Melting point: -77 °C
- Boiling point: 127 °C
- Flash pt. 27 °C
- Ignition temp.: 370 °C
- Vapour pressure: (20 °C) ~ 13 hPa
- Refraction index: (n 20 °C/D) 1,3941
- Dielectric const.: (20 °C) 5,0

- LD 50 (oral, rat): 13100 mg/kg
- EC-Index-No.: 607-025-00-1
- ADR: 3 F1 III UN 1123
- IMDG: 3 III UN 1123
- IATA/ICAO: 3 III UN 1123
- GHS-signal word: Warning
- GHS-H sentences: H226 - H336 - EUH066
- GHS-P sentences: P210 - P241 - P261 - P303 + P361 + P353 - P405 - P501a
- Tariff number: 2915 33 00 00
- Applications: analytical chemistry, laboratory reagent, manufacturing of lacquers, in the textile industry, photography, plasticizer, manufacture of glass.