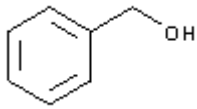
PanReac AppliChem ITW Reagents

PRODUCT CODE: 191081

Benzyl Alcohol (USP-NF, BP, Ph. Eur.) pharma grade

C_7H_8O

$C_6H_5CH_2OH$



M.= 108,14 CAS [100-51-6] EINECS 202-859-9

TARIC 2906 21 00 00

SYNONYMS: a -Hydroxytoluene, Benzenemethanol, Phenylcarbinol

PHYSICAL DATA: liquid, Clear, Colourless, Soluble in water 40 g/l at 20 °C D 20/4 1,0453 • M.P.: -15,2 °C • B.P.: 204,7 °C • n20/D **:** 1,5396 • Flash P.:94 °C • Ign. T.:435 °C • Vap. press. (20 °C) 0,13 hPa • D. M. 20 °C 1,7 Debye • Dielec. constant25 °C 13,1 • Heat evap. 205 °C 467 KJ/Kg • Satur. conc. 20 °C 0,56 g/m3 • Expl. limit1,3 %(V)13 %(V) •

BIBLIOGRAPHY: Merck Index **13,** 1.126 14**,** 1.124 Sax **BDX**500 • Safety **2 , 377 D** • Kühn-Birett **B** 49 • Ullmann **(5.)**4 , 1 • Beilstein **6 , 428 I , 217 II , 403 III ,1445 IV , 2222** • BRN 78307 • ACS **XI** • BP.**2025** • USP **-NF 38** • Ph. Eur. **10.0** (2019) **11.0** (2023) • F.C.C **12 13** • BOE **243**(8-10-2009) • Regulation (EU) nº 231/2012 •

HAZARDOUS: C.E: 603-057-00-5 • RTECS: DN 3150000 • LD50 oral rat 1.230 mg/kg • LC L0 inh rat 2000 ppm / 4h • LD50 skn rbt 2.000 mg/kg • LD50 ipr mus 650 mg/kg



H: H332 • H302 • H319 •
P: P261 • P264 • P270 • P271 • P301+P312 • P501 • P304+P340 • P312 • P330 •

WEIGHT/VOLUME INFORMATION: 1l~1,046 kg 1kg~0,956 l
OBSERVATIONS: Storage between +2 and +8°C . • Storage away from direct light. •

SPECIFICATIONS:

Assay (Acidim.)	98,0-100,5 %

Identity :	
Identity according to Pharmacopoeias:	passes test
Density at 20/20	1,045-1,049
Refractive Index n20/D	1,539-1,541
Maximum limit of impurities	
Appearance of solution	passes test
Acidity	passes test
Non-volatile matter	0,05 %
Insoluble substances (in H2O)	passes test
Residue on ignition (as SO4)	0,005 %
Peroxide value	5
Related substances (G.C.)	
Halogenated compounds and halides (as Cl)	0,03%
Benzaldehyde	0,05%
Ciclohexylmethanol	0,10%
Total imp. Tr < Benzyl Alcohol	0,02%
Total imp. Tr > Benzyl Alcohol	0,20%
Residual solvents (Ph.Eur.)	passes test
Clarity of solution	passes test
Colour of solution	passes test
Water (H2O)	0,2 %
Fe	0,00005 %
Elemental impurities (ICH Q3D):	
Class 1	
Cd	0,5 ppm
Pb	0,2 ppm
As	1,5 ppm
Hg	1,5 ppm
Class 2A	
Co	5 ppm
V	10 ppm
Ni	0,2 ppm
Class 2B	
Tl	0,8 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm
Class 3	
Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	0,2 ppm
Sn	600 ppm
Cr	25 ppm

Product bottled under nitrogen atmosphere.