

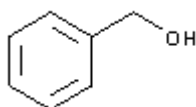


**PRODUCT CODE: Z41081**

**Benzyl Alcohol (USP-NF, BP, Ph. Eur.) pure, 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 • n<sub>20/D</sub> : 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/m<sup>3</sup> • Expl. limit1,3 %(V)13 %(V) •

**BIBLIOGRAPHY:** Merck Index **13**, 1.126 14, 1.124 Sax **BDX500** • 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.**2020** • USP -**NF 37** • Ph. Eur. **9.0** (2017) **10.0** (2020) 7.6 • F.C.C **10 11** • BOE **243**(8-10-2009) • Regulation (EU) n° 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	1,043-1,049
Refractive Index n <sub>20</sub> /D	1,539-1,541

**Maximum limit of impurities**

Appearance of solution	passes test
Acidity	passes test

Insoluble matter in H <sub>2</sub> O	passes test
Non-volatile matter	0,05 %
Residue on ignition (as SO <sub>4</sub> )	0,005 %
Peroxide value	5
Clarity of solution	passes test
Colour of solution	passes test
Related substances (G.C.)	
Benzaldehyde (G.C.)	0,15%
Ciclohexylmethanol	0,10%
Total imp. Tr < Benzyl Alcohol	0,04%
Total imp. Tr > Benzyl Alcohol	0,3%
Residual solvents (Ph.Eur/USP)	passes test
Halogenated compounds and halides (as Cl)	0,03%
Water (H <sub>2</sub> O)	0,2 %

## Elemental impurities (ICH Q3D):

## Class 1

Cd	0,5 ppm
Pb	0,5 ppm
As	1,5 ppm
Hg	1,5 ppm

## Class 2A

Co	5 ppm
V	10 ppm
Ni	20 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	250 ppm

**Product bottled under nitrogen atmosphere.**

Ed.: 2 . Vig.: 08.03.2018 .

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