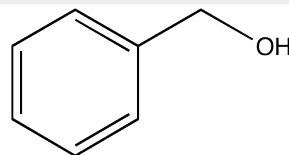


Benzyl alcohol, for analysis, ExpertQ®, Reag. Ph Eur

Identification

C₇H₈O
M = 108,14 g/mol
CAS [100-51-6]
EC number: 202-859-9
Taric code: 2906 21 00



Synonyms

Phenylmethanol, Phenylcarbinol

Applications

analytical chemistry, perfumery, microscopy.

Specifications

assay (G.C.)	min. 99,5 %	copper (Cu)	max. 0,02 ppm
assay (titrimetric)	98,0 - 100,5 %	iron (Fe)	max. 0,1 ppm
identity (IR-spectrum)	passes test	lead (Pb)	max. 0,1 ppm
appearance of solution	clear and colourless	magnesium (Mg)	max. 0,1 ppm
colour (Hazen)	max. 10	manganese (Mn)	max. 0,02 ppm
refractive index n ₂₀ /D	1,538 - 1,541	nickel (Ni)	max. 0,02 ppm
acidity	max. 0,001 meq/g	tin (Sn)	max. 0,1 ppm
alkalinity	max. 0,002 meq/g	zinc (Zn)	max. 0,1 ppm
halogen compounds (as Cl)	max. 0,001 %	peroxide index	max. 5
aluminium (Al)	max. 0,5 ppm	Related substances:	
barium (Ba)	max. 0,1 ppm	Imp. A (benzaldehyde)	max. 0,15 %
boron (B)	max. 0,02 ppm	Imp. B (cyclohexylmethanol)	max. 0,10 %
cadmium (Cd)	max. 0,05 ppm	Sum of other peaks with a relative retention less than that of benzyl alcohol	max. 0,04 %
calcium (Ca)	max. 0,5 ppm	Sum of peaks with a relative retention greater than that of benzyl alcohol	max. 0,3 %
chromium (Cr)	max. 0,02 ppm	sulfated ash	max. 0,005 %
cobalt (Co)	max. 0,02 ppm	residue on evaporation	max. 0,05 %
		water (K.F.)	max. 0,1 %

Physical data

- Density: 1,045 g/cm³
- Solub. in water: (20 °C): 40 g/l
- Melting point: -15,4 °C
- Boiling point: 205,3 °C
- Flash point: 101 °C
- Ignition temperature: 436 °C
- Vapour pressure: (20 °C) 0,07 hPa
- Refraction index: (n₂₀ °C/D) 1,5396
- Dipolar moment: (20 °C) 1,7 Debye
- Dielectric const.: (25 °C) 13,1
- Evap. heat: (205 °C) 467 KJ/kg
- Saturation conc.: (20 °C) 0,56 g/m³
- Expl. limit (upper): 13 Vol %
- Expl. limit (lower): 1,3 Vol %

Safety - GHS

Signal Word: Warning

Hazard Statements:

- H302: Harmful if swallowed.
H332: Harmful if inhaled.
H319: Causes serious eye irritation.



Precautionary Statements:

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
P280: Wear protective gloves / protective clothing / eye protection / face protection.
P321: Specific treatment (see on this label).
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C