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Specification

Concerning Product:	
Article number	100516VEPUF
Trade name / designation / denomination	Benzylalkohol, FCC/USP/NF/BP/Ph.Eur.
CAS number	100-51-6
Other names / synonyms	•BENZYL ALCOHOL; •BENZYL ALCOHOL, ACS; •BENZYL ALCOHOL, U.S.P./N.F.; •Benzyl Alcohol; •Benzyl Alcohol, NF; •Benzyl Alcohol, Reagent, ACS; •Benzyl Alcohol, Technical; •Benzyl alcohol; •Benzyl alcohol, ACS; •Benzyl alcohol-alpha,alpha-d2;
EC number	202-859-9
EC index number	603-057-00-5
Customs tariff number / CN code / TARIC	29062100
Molecular weight [g / mol]	108.13782
Formula	C_7H_8O
Warning	
Harmful if swallowed. Harmful if inhaled. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Dispose of contents/container in accordance with local/regional/(inter)national regulations.	

Parameter	Specification	Unit
Organoleptic test		
Appearance of solution	clear and colourless	
Appearance	Clear and colourless liquid	
Colour	(APHA) ≤ 10	APHA
Physical parameter		
Acidity/Alkalinity	(0,1 M NaOH): ≤ 1	ml
Acidity/Alkalinity	(as benzoic acid) ≤ 0,05	%
Refraction index	@ 20°C: 1,538 – 1,541	
Moisture	≤ 0,1	%
Peroxides (O_2^{2-})	≤ 5	meq O2/kg
Relative density	@ 20 °C 1,043 – 1,049	
Solubility	Soluble in water, miscible with ethanol (96%) and with fatty and essential oils	
Identity		
Assay	98,9 – 100,5	%
Infrared absorbtion spectrometry	Conforms with standard	

Impurities		
Residue on evaporation	≤ 0,05	%
Impurity	Benzaldehyde ≤ 0,05	%
Impurity	Chlorinated Compounds ≤ 0,005	%
Impurity	Chlorinated Compounds (as Chlorine) ≤ 0,002	%
Related substances	Impurity A: ≤ 0,15	% [w/w]
Related substances	Impurity B: ≤ 0,10	% [w/w]
Related substances	Impurity Rt < BOH ≤ 0,04	% [w/w]
Related substances	Impurity Rt > BOH ≤ 0,3	% [w/w]
Elemental Impurities		
Iron (Fe)	≤ 1	ppm
Lead (Pb)	≤ 0,1	ppm

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Waltrop, 29. Jan. 2024

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