



Specification

Concerning Product:	
Article number	100516HPE
Trade name / designation / denomination	Benzylalkohol, EP
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]	108,14
Formula	C7H8O
Warning	
Harmful if swallowed. Use only outdoors or in a well-ventilated area.	

Parameter	Test Method	Specification	Unit
Organoleptic test			
Appearance of solution	Nephelometry-C204102	2 ml/60 ml H ₂ O: ≤ 3	NTU
Appearance	visual	clear, colourless	
Physical parameter			
Refraction index	EP – USP/NF	1,538 – 1,541	
Form		liquid	
Loss on drying	Karl Fisher – C204103	≤ 0,1	%
Peroxides (O ₂ ²⁻)	EP – USP/NF	≤ 5	meq O ₂ /kg
Relative density	A.10.02 (@20°C)	1,043 – 1,049	
Identity			
Assay	GC – C204106	98,0 – 100,5	%
Identification	EP – USP/NF	IR spectrum: conform	
Impurities			
Residue on evaporation	EP – USP/NF	≤ 0,05	%
Impurity	GC – C204106	Benzaldehyde: ≤ 0,05	%
Impurity	GC – C204106	Chlorinated compounds: ≤ 0,005	%
Impurity	GC – C204106	Dibenzylperoxide: ≤ 0,01	%
Impurity		Impurity A (benzaldehyde): ≤ 0,15	%
Impurity		Impurity B (cyclohexylmethanol): ≤ 0,10	%
Impurity		Impurity Rt < BOH: ≤ 0,04	%
Impurity		Impurity Rt > BOH: ≤ 0,3	%
Elemental Impurities			
Iron (Fe)	Photometry – C204101	≤ 0,0001	ppm

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 04. Aug. 2019

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