



## Specification

Concerning Product:	
Article number	100516SPEUK
Trade name / designation / denomination	Benzylalkohol, kosmetisch
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
<b>Warning</b>	
Harmful if swallowed. Use only outdoors or in a well-ventilated area.	

Parameter	Test Method	Specification	Unit
<b>Organoleptic test</b>			
Appearance of solution	USP/NF	passes test	
Appearance of solution	Eur. Ph.	passes test	
Appearance		Clear, colorless and odorless liquid (viscous)	
Colour	visual	colorless	
<b>Physical parameter</b>			
Acidity/Alkalinity	USP/NF	(0,1 N NaOH): ≤ 1	ml
Acidity/Alkalinity	EUR.PH.	(0,1 N NaOH): ≤ 1	ml
Acidity/Alkalinity	Potentiometric titration	KOH/g ≤ 0,2	mg
Refraction index	n <sub>20</sub> /D	1,5390 – 1,5410	
Distillation range	FCC	@ 202,5 – 206,5 °C ≤ 95	%
Peroxides (O <sub>2</sub> <sup>2-</sup> )	Ph.Eur.	≤ 5	meq

Peroxides (O <sub>2</sub> <sup>2-</sup> )	USP/NF	≤ 5,0	meq
Relative density	D20/4	1,0433 – 1,0471	
Relative density	D25/25	1,0420 – 1,0458	
Relative density	D20/20	1,0452 – 1,0490	
<b>Identity</b>			
Assay	EUR. PH.	98,0 – 100,5	%
Assay	USP/NF	98,0 – 100,5	%
Assay	GLC	≥ 98,5	%
Assay	FCC	≥ 99,0	%
Infrared absorbtion spectrometry	USP/NF	passes test	
Infrared absorbtion spectrometry	Eur. Ph.	passes test	
Infrared absorbtion spectrometry	FCC	passes test	
<b>Impurities</b>			
Aldehydes	Assay (FCC)	≤ 0,2	%
Halogenated compounds	Beilstein-test	not detectable	
Nonvolatile residue	USP/NF	≤ 0,05	%
Nonvolatile residue	EUR. PH.	≤ 0,05	%
Impurity	GLC	≤ 0,05	%
Related substances	GLC (Eur. Ph.)	passes test	
Related substances	GLC (USP/NF)	passes test	
<b>Residual Solvents</b>			
Toluene	GLC (USP/NF)	passes test	ppm

**Supplemental information:**

**Shelf life:** 24 month

**Storage conditions:** In the original, unopened container, dry, dark, conditions at approx. 20°C

**Complies with monographie:** FCC 11

**Regional origin:** D

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 04. Mar. 2020

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