



## Spezifikation

Produktbezug:	
Produktnummer	50997RACS
Handelsname / Bezeichnung	D(+)-Glucose Anhydrous
CAS Nummer	50-99-7
Andere Bezeichnungen / Synonyme	•(3R,4S,5S,6R)-6-(hydroxymethyl)oxane-2,3,4,5-tetrol; •D-Glucose; •Dextrose; •Glucose; •glucose;
EG Nummer	200-075-1
Zolltarifnummer / CN- Code	170230
Molekulargewicht [g/mol]	180.15588
Formel	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>

Parameter	Methode	Spezifikation	Einheit
<b>Physikalische Parameter</b>			
Säuregehalt	als CH <sub>3</sub> COOH	≤ 0,002	meq/g
Unlösliche Anteile		in H <sub>2</sub> O: ≤ 0,003	%
Trocknungsverlust		(105 °C) ≤ 0,2	%
Spezifische optische Drehung	[α] <sub>b</sub> b (c=10 in H <sub>2</sub> O)	52,5 – 53,0	°
<b>Verunreinigungen</b>			
Glührückstand	als SO <sub>4</sub>	≤ 0,01	%
Schwermetalle (als Pb)		≤ 0,0005	%
Sulphat (SO <sub>4</sub> )		≤ 0,0025	%
<b>Elementare Verunreinigungen</b>			
Arsen (As)		≤ 0,00004	%
Cadmium (Cd)		≤ 0,001	%
Chloride (Cl)		≤ 0,0025	%
Kupfer (Cu)		≤ 0,0005	%
Eisen (Fe)		≤ 0,0005	%
Nickel (Ni)		≤ 0,0005	%
Blei (Pb)		≤ 0,0005	%

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 13. Oct. 2021

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