



Spezifikation

Produktbezug:	
Produktnummer	25322683TS20
Handelsname / Bezeichnung	Polyethylenglycol 2000 S
CAS Nummer	25322-68-3
Andere Bezeichnungen / Synonyme	â€¢Macrogol; â€¢Poly(ethylene oxide); â€¢Poly(ethylenoxid); â€¢Poly(oxy-1,2-ethanediyl), 1,2-hydro-1-hydroxy- Ethane-1,2-diol, ethoxylated; â€¢Polyethylene glycol; â€¢Polyethylene glycol 1500; â€¢Polyethylene glycol 300; â€¢Polyethylene glycol 4000; â€¢Polyethylene glycol 6000; â€¢Polyethylenglycol;
EG Nummer	500-038-2
Zolltarifnummer / CN-Code	39072011
Molekulargewicht [g/mol]	62.06784
Formel	(C ₂ H ₆ O ₂) _n

Parameter	Methode	Spezifikation	Einheit
Sensorische PrÃ¼fung			
Farbe	DIN 51562	Hazen Farbe 25% a.i. im Wasser ≤ 30	
Physikalische Parameter			
SÃ¤uregehalt	Ph. Eur.	ml 0.1M NaOH/5g; titrimetric ≤ 0,1	
Form (Aggregatzustand)		Flocken	
Trocknungsverlust	DIN 51777	≤ 1,00	%
Molare Masse		berechnet aus OH-Wert 1800 â€” 2200	g/mol
OH-Wert	DIN EN ISO 4629	51 â€” 62	mgKOH/g
Oxidierende Substanzen		Ethylenoxid Head-Space GC ≤ 1	ppm
pH-Wert	USP-NF	(5% in H ₂ O): 4,5 â€” 7,5	
Reduzierende Substanzen	Ph. Eur.	entspricht	
Erstarrungsbereich	Ph. Eur.	48 â€” 52	Ã°C
LÃ¶slichkeit		25% Wirkstoff im Wasser visuell: klar	
ViskositÃ¤t	USP-NF	@ 98.9Ã°C: 38 â€” 49	mPa s
ViskositÃ¤t	DIN 51562	bei 20Ã°C 50%ige LÃ¶sung 50 â€” 28	mPa s
Verunreinigungen			
Dioxine		Inhalt Head-Space GC ≤ 1	ppm
Sulphatasche	Ph. Eur.	≤ 0,1	%
Verunreinigung	Ph. Eur.	Ethylen- und diethylen glycol ≤ 0,20	%
Verunreinigung	Ph. Eur.	Formaldehyde ≤ 15	ppm

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 23. Jun. 2021

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