



Specification

Concerning Product:	
Article number	25322683TS20
Trade name / designation / denomination	Polyethylenglycol 2000 S
CAS number	25322-68-3
Other names / synonyms	â€¢Macrogol; â€¢Poly(ethylene oxide); â€¢Poly(oxy-1,2-ethanediyl),1±-hydro-ï-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€¢ethane-1,2-diol;
EC number	500-038-2
Customs tariff number / CN code / TARIC	39072011
Molecular weight [g / mol]	62.06784
Formula	(C2H6O2)n

Parameter	Test Method	Specification	Unit
Organoleptic test			
Colour	EN 1557	Hazen colour 25% a.i. in water ≤ 30	
Physical parameter			
Acidity/Alkalinity	Ph. Eur.	ml 0.1M NaOH/5g; titrimetric ≤ 0,1	
Form		flakes	
Loss on drying	DIN 51777	≤ 1,00	%
Molar mass		calculated of OH value 1800 â 2200	g/mol
OH-value	DIN EN ISO 4629	51 â 62	mgKOH/g
Oxidizing substances		Ethylene oxide Head-Space GC ≤ 1	ppm
pH value	USP-NF	(5% in H ₂ O): 4,5 â 7,5	
Reducing substances	Ph. Eur.	corresponding	
Solidification range	Ph. Eur.	48 â 52	Â°C
Solubility		25% a.i. in water visual: clear	
Viscosity	USP-NF	@ 98.9Â°C: 38 â 49	mPa s
Viscosity	DIN 51562	at 20Â°C of 50% solution 50 â 58	mPa s
Impurities			
Dioxins		content Head-Space GC ≤ 1	ppm
Sulphated ash	Ph. Eur.	≤ 0,1	%
Impurity	Ph. Eur.	Ethylene- and diethylene glycol ≤ 0,20	%
Impurity	Ph. Eur.	Formaldehyde ≤ 15	ppm

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 23. Jun. 2021

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