



Spezifikation

Produktbezug:	
Produktnummer	57556VPEUL
Handelsname / Bezeichnung	Monopropylenglycol Ph. Eur./USP/E1520
CAS Nummer	57-55-6
Andere Bezeichnungen / Synonyme	•1,2-Propandiol; •Alpha-propylene glycol; •Propan-1,2-diol; •Propan-1,2-diol / 1,2-Propylenglyco; •Propylene Glycol; •Propylenglycol; •alpha-Propylenglykol; •propane-1,2-diol;
EG Nummer	200-338-0
Zolltarifnummer / CN-Code	29053200
Molekulargewicht [g/mol]	76.09442
Formel	C ₃ H ₈ O ₂

Parameter	Specification	Unit
Sensorische Prüfung		
Farbe	klar, farblos	
Farbe	Pt-Co ≤ 5	
Geruch	charakteristisch	
Physikalische Parameter		
Säuregehalt	≤ 20	ppm
Säuregehalt	(EP*): ≤ 0,05	ml
Säuregehalt	(MPG USP*): ≤ 0,2	ml
Brechungsindex	1,431 – 1,433	UN
Destillationsbereich	186,0 – 189,0	°C
Form (Aggregatzustand)	Flüssigkeit	
Unlösliche Anteile	ausgeschlossen	
Trocknungsverlust	0,000 – 0,100	%
Oxidierende Substanzen	entspricht (*)	
Reduzierende Substanzen	entspricht (*)	
Relative Dichte	(*) 1,035 – 1,040	
Spezifisches Gewicht	@ 25 °C 1,035 – 1,037	
Identifikation		
Gehalt	99,8 – 100,0	%
Infrarot Spektroskopie	entspricht (*)	
Schmelzpunkt (Identität)	Nitrobenzoate (*) 121 – 128	°C
Verunreinigungen		
Glührückstand	≤ 50	ppm

Glührückstand	(FCC [*]): ≤ 0,007	%
Glührückstand	(USP [*]): ≤ 3,5	%
Schwermetalle (als Pb)	([*]) ≤ 5,0	ppm
Sulphatasche	([*]) ≤ 5	mg
Sulphat (SO ₄)	([*]) ≤ 60	ppm
Verunreinigung	DPG: ≤ 0,100	%
Verunreinigung	EG & DEG ([*]): ≤ 0,1	
Elementare Verunreinigungen		
Arsen (As)	([*]) ≤ 1,0	ppm
Chloride (Cl)	([*]) ≤ 1,0	ppm
Eisen (Fe)	([*]) ≤ 0,5	ppm
Blei (Pb)	([*]) ≤ 1,0	ppm
Organische flüchtige Verunreinigungen		
Org. flücht. Veru. in Summe	entspricht ([*])	

Anmerkung:

* Parameter wird jährlich getestet.

Zusätzliche Angaben:

Mindesthaltbarkeit: 2 Jahre

Hinweis: PG EP/USP ist als E-1520 als Lebensmittelzusatzstoff registriert.

Entspricht der Monographie: EP, USP

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 19. Aug. 2024

LF-Basis: (2019-07-22)

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