



Specification

Concerning Product:	
Article number	57556AEPE
Trade name / designation / denomination	1,2-Propylenglycol, Pharma
CAS number	57-55-6
Other names / synonyms	•propane-1,2-diol; •Alpha-propylene glycol; •Propylene Glycol; •propane-1,2-diol;
EC number	200-338-0
Customs tariff number / CN code / TARIC	29053200
Molecular weight [g / mol]	76.09442
Formula	C ₃ H ₈ O ₂

Parameter	Specification	Unit
Organoleptic test		
Colour	≤ 5	APHA
Physical parameter		
Acidity/Alkalinity	(calculated as HC ₃ COOH) ≤ 0,002	%
Refraction index	1,431 – 1,433	
Distillation range	185,0 – 189,0	°C
Loss on drying	≤ 0,1	%
Oxidizing substances	compliance	
Reducing substances	compliance	
Specific weight	@ 25 °C 1,035 – 1,037	
Identity		
Assay	≥ 99,7	%
Neutralization number	(as KOH) ≤ 0,01	mg KOH/g
Impurities		
Heavy Metals (as Pb)	≤ 5,0	ppm
Sulphated ash	≤ 70	ppm
Sulphates (SO ₄)	≤ 60	ppm

Turbidity	≤ 3	NTU
Impurity	Di ethylen glycol ≤ 0,1	%
Impurity	Di propylene glycol ≤ 0,1	%
Impurity	Mono ethylen glycol ≤ 0,1	%
Elemental Impurities		
Arsenic (As)	≤ 2,0	ppm
Cadmium (Cd)	≤ 0,5	ppm
Chlorides (Cl)	≤ 1	ppm
Iron (Fe)	≤ 0,3	ppm
Mercury (Hg)	≤ 0,1	ppm
Lead (Pb)	≤ 1,0	ppm
Organic volatile impurities		
Org. volat. Imp. Total	compliance	%

Supplemental information:

Shelf life:

24 Mon.

Complies with monographie:

EP/USP/E1520

Regional origin:

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Version of manufacturer:

04/2017

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 07. Nov. 2018

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