

Certificate of analysis

Material	PROPYLENE GLYCOL USP/EP
Packaging	Drums 215 kg
Batch	88090281
Mfg date	21.04.2021
Exp date	21.04.2023
Origin	Germany

Feature	units	RESULT	Limits	
			min	max
Appearance		Pass	Clear transparent liquid	
Monopropylene glykol	%	99,93	99,70	-
Dipropylene glykol	%	0,0575	-	0,1
Monoethylene glycol	%	N.N.	-	0,1
Diethylene glycol	%	N.N.	-	0,1
Water	%	0,0080	-	0,1
APHA colour value	APHA	2	-	5
Turbidity	NTU	N.N.	-	3
Specific gravity at 25°C	-	1,0355	1,0350	1,0370
Refractive index	[n _d] 20°C	1,4330	1,4310	1,4330
Neutralisation number calc. as KOH	mg KOH/g	0,0027	-	0,01
Acidity (as CH ₃ COOH)	%	0,0003	-	0,002
Sulphated ash	mg/kg	N.N.	-	70,0
Chloride	mg/kg	0,1	-	1,0
Sulphate	mg/kg	N.N.	-	60,0
Distillation range	°C	Pass	185,0	189,0
Oxidising substances		Pass	Compliance	
Reducing substances		Pass	Compliance	
Volatile organic substances		Pass	Compliance	
Heavy metals	mg/kg	Pass	-	5
Iron	mg/kg	N.N.	-	0,30
Arsenic	mg/kg	N.N.	-	2,0
Lead	mg/kg	N.N.	-	1
Cadmium	mg/kg	N.N.	-	0,50
Mercury	mg/kg	N.N.	-	0,10

N.N. - value below the limits of detection

We certify that the results are consistent with the manufacturer's certificate.
