

CERTIFICATE OF ANALYSIS

Material	PROPYLENE GLYCOL USP/EP/FCC
Batch	88184484
Packaging	IBC 1000 L
Quantity	3150 kg
Manufakturing date	21. 05. 2021
Expire date	21. 05. 2023

Feature	units	Limits		Results
		min	max	
Monopropylene glykol	%	99,70	-	99,93
Dipropylene glykol	%	-	0,1	0,0530
Monoethylene glycol	%	-	0,1	N.N.
Diethylene glycol	%	-	0,1	N.N.
Water	%	-	0,1	0,0080
APHA colour value	APHA	-	5	1
Turbidity	NTU	-	3	2
Specific gravity at 25°C	-	1,0350	1,0370	1,0355
Refractive index	[n _d] 20°C	1,4310	1,4330	1,433
Neutralisation number calc. as KOH	mg KOH/g	-	0,01	0,0014
Acidity (as CH ₃ COOH)	%	-	0,002	0,0001
Sulphated ash	mg/kg	-	70,0	N.N
Chloride	mg/kg	-	1,0	0,1
Sulphate	mg/kg	-	60,0	N.N
Distillation range	°C	185,0	189,0	Compliance
Oxidising substances		Compliance		Compliance
Reducing substances		Compliance		Compliance
Volatile organic substances		Compliance		Compliance
Heavy metals	mg/kg	-	5	Compliance
Iron	mg/kg	-	0,30	N.N.
Arsenic	mg/kg	-	2,0	N.N
Lead	mg/kg	-	1	N.N



Cadmium	mg/kg	-	0,50	N.N
Mercury	mg/kg	-	0,10	N.N

This product meets the requirements of USP, EP and FCC.

N.N. – value below quantitation limit

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

The certificate was created electronically and is valid without signature.

