



# Specification

1.09621.0000 Ethylene glycol for analysis EMSURE® Reag. Ph Eur, Reag. USP

	Specification	
Purity (GC)	≥ 99.5	%
Identity (IR)	conforms	
Color	≤ 10	Hazen
Acidity (as CH <sub>3</sub> COOH)	≤ 0.001	%
Density (d 20 °C/20 °C)	1.113 - 1.115	
Density (d 25 °C/25 °C)	1.10 - 1.12	
Refractive index (n 20/D)	1.431 - 1.433	
Melting point	-14 - -10	°C
Boiling point	196.5 - 198.5	°C
Chloride (Cl)	≤ 0.00002	%
Fe (Iron)	≤ 0.00005	%
Formaldehyde	≤ 0.005	%
Substances reducing potassium permanganate (as O)	≤ 0.0003	%
Readily carbonizable substances	conforms	
Sulfated ash	≤ 0.005	%
Water	≤ 0.1	%

Jeannette David

Responsible laboratory manager quality control

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