

GOST 19710-83

Ethylene glycol is applied in manufacturing of synthetic fibers, resins, solvents, low-freezing liquids and hydraulic fluids, in cosmetics.

TECHNICAL CHARACTERISTICS

Properties	Norm	
	A higher grade	1 st grade
Weight fraction of ethylene glycol, %, not less than	99,8	98,5
Weight fraction of diethylene glycol, %, no more than	0,05	1,0
Colour, in Hasen unities, no more than in ordinary conditions after boiling with hydrochloric acid	5 20	20 is not normalized
Mass concentration of a residue after calcination, %, no more than	0,001	0,002
Weight fraction of iron (Fe), %, no more than	0,00001	0,0005
Weight fraction of water, %, no more than	0,1	0,5
Weight fraction of acids in terms of acetic acid, %, no more than	0,0006	0,005
Refraction index at 20 °C	1,431 – 1,432	1,430 – 1,432
Ultraviolet transmission, %, not less than, at wave length, nm: 220 275 350	75 95 100	is not normalized is not normalized is not normalized

TRANSPORTATION

In tank cars with aluminium or corrosion-resistant steel containers with capacity of 50 tons, in tank trucks.