



中国石化
SINOPEC

Fujian Gu Lei
Petrochemical Co., Ltd.

Product quality certificate

Product Name: Industrial Ethylene Glycol Implementation Standard:
GB/T 4649-2018

Product number:-Date of issue: 2023-05-06 08:31.

Product batch number: GL23135051 Record number:--

Storage tank number: 3023-T-001A Sample retention number: 275917

Product grade: polyester grade Sampling date: 2023-05-05 23:30

analysis item	quality index	testing result	test method
exterior	Transparent liquid, no mechanical impurities.	Transparent liquid, inorganic Mechanical impurity	4.3 in GB/T 4649-2018
Ethylene glycol, ω/%	≥99.90	99.92	GB/T 14571.2-2018
Diethylene glycol, ω/%	≤0.050	<0.0010	GB/T 14571.2-2018
Chromaticity (platinum-cobalt)/No.Bef ore heating After heating with hydrochloric acid	≤5	one	Appendix A of GB/T 4649-2018
	≤20	nine	
Density (20°C)/(g/cm ³)	1.1128~1.1138	1.1134	GB/T 2013-2010
Boiling range (at 0°C, 0.10133MPa) Initial boiling point/°C Dry point/°C	≥196.0	196.2	GB/T 7534-2004
	≤199.0	197.3	
Moisture, ω/%	≤0.08	0.0511	GB/T 6283-2008
Acidity (calculated by acetic acid)/(mg/kg)	≤10.0	4.4	GB/T 14571.1-2016
Iron content/(mg/kg)	≤0.10	<0.10	GB/T 3049-2006
Ash/(mg/kg)	≤10	four	GB/T 7531-2008
Aldehyde content (calculated as formaldehyde)/(mg/kg)	≤8.0	2.0	GB/T 14571.3-2022
Ultraviolet transmittance /% 220nm 250nm 275nm 350nm	≥75.0	85.2	GB/T 14571.4-2022
	report	90.8	
	≥92.0	95.3	
	≥99.0	100.0	
Chloride ion/(mg/kg)	≤0.5	<0.10	GB/T 14571.5-2016
The following blanks			
Judgement result	inspector	Special seal for quality qualification	
close style	Kong Qingyi		