

Monoethylene Glycol (MEG) technical grade**CERTIFICATE OF ANALYSIS**

No: 645674/11/2022

PRODUCT NAME: ETHYLENE GLYCOL**CAS:** 107-21-1**REACH:** 01-2119456816-28-XXXX**APPEARANCE:** Clear, colorless liquid**SAMPLE DATE:** 16-11-2022**DATE OF THE ANALYSIS:** 16-11-2022

Parameter	Unit	Result	Method
Purity (MEG)	[wt.%]	99.97	GC (ASTM E2409)
Colour Hazen	[Pt-Co]	< 5	ASTM D 1209
Diethylene Glycol	[wt.%]	0.01	GC (ASTM E2409)
Water	[wt.%]	0.007	ASTM E1064 (KF)
Acidity (as acetic acid)	[wt.%]	< 0.0004	ASTM D1613
Iron (Fe)	[mg/kg]	0.014	ASTM E1615
Chloride (Cl)	[mg/kg]	0.03	ASTM E2469
Ash	[mg/kg]	< 10	ASTM D482
Specific gravity (20°C/20°C)	[g/ml]	1.1153	ASTM D4052
Boiling Range	[°C]	197.1-197.5	ASTM D1078
pH on 50% (v/v) aqueous solution	[-]	6.9	ASTM D1287
Refractive Index at 20°C nD ₂₀	[-]	1.4320	ASTM D1218

The certificate was made on the basis of the supplier's certificate. The data contained in this certificate were prepared on the basis of certificates and quality standards of suppliers or manufacturers and on the basis of tests in the factory laboratory.

Prepared by

M.Sc. Łukasz S. Ujma

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