# MONOETHYLENE GLYCOL (MEG)

Monoethylene glycol (MEG; CAS 107-21-1) is a colorless liquid with low volatility. The product is extremely hygroscopic. MEG is miscible with water,

alcohols, aldehydes, ketones and esters. Monoethylene glycol can be used as an intermediate in the production of solvents and resins or as a building block in PET to produce fibers. Furthermore,MEG is commonly used as a raw material for antifreeze fluids.

MW: 62.07 gmol-1

CAS No.: 107-21-1

EINECS No.: 203-473-3

IUPAC name: Ethane-1,2-diol

PURITY % 99.8 MIN.

DIETHYLENE GLYCOL % 0.08 MAX.

WATER CONTENT  0.08 MAX.

ACIDITY AS ACETIC ACID  PPM 10 MAX.

ASH  gr/100ml MAX. 0.005

CHLORIDES  PPM 0.1 MAX.

IRON  PPM 0.1 MAX.

ALDEHYDE AS ACETALDEHYDE  PPM 10 MAX.

COLOR Pt-Co  5 MAX.

SP. GR (20/20 °C)  1.1151 - 1.1156

DISTILLATION @ 760 mm-Hg

IBP ASTM D – 1078 °C 196 MIN.

DP  °C 199 MAX.

5-95 VOL % RANGE  °C 1 MAX.

UV TRANSMITTANCE:

AT 220 nm EO –577A T % 70 MIN.

AT 275 nm EO –577A T % 95 MIN.

AT 350 nm EO –577A T % 99 MIN.