

Technical Data Sheet

Product Description

FM MEG

Mono-ethylene glycol (MEG) is an important raw material for industrial applications. A primary use of MEG is in the manufacture of polyester (PET) resins, films and fibres. In addition, MEG is important in the production of antifreezes, coolants, aircraft anti-icer, de-icers and solvents.

Characteristic	Typical Value	Unit	Test Method	Preferred Method
Appearance	Colorless		Visual	Visual
Purity	min. 99.8	% (m/m)	100 - impurities	100 - impurities
Color (Pt-Co)	max. 5		ASTM E202	ASTM D1209
DEG	max. 0.08	% (m/m)	ASTM E611	SMS 2886
Water	max. 0.08	% (m/m)	ASTM E202	ASTM E1064 / E203
Specific Gravity, 20/20 °C	1.1151-1.1156		ASTM D4052	ASTM D4052
Boiling range at 0.1013 Mpa				
5% vol	min. 196	°C	ASTM E202	ASTM D1078
95% vol	max. 199	°C	ASTM E202	ASTM D1078
Aldehydes (as acetaldehyde)	max. 8	mg/kg	SMS 1996	SMS 1996
Acidity (as acetic acid)	max. 10	mg/kg	ASTM D1613	ASTM D1613
Iron (as Fe)	max. 0.1	mg/kg	ASTM E202	ASTM E394
Inorganic chlorides (as CL)	max. 0.05	mg/kg	SMS 2296	SMS 2296
Ash	max. 50	mg/kg	ASTM D482	ASTM D482
UV Transmittance		%	SMS 1997	SMS 1997
-220 nm	min. 80		SMS 1997	SMS 1997
-275 nm	min. 95		SMS 1997	SMS 1997
-350 nm	min. 99		SMS 1997	SMS 1997