

Fiber grade Mono Ethylene Glycol (MEG)

Sales Specification

Item	Unit	Specification	Test Method
Appearance	-	Clear, colorless	Visual Inspection
Suspended matter	-	None	Visual Inspection
Specific gravity@ 20/20°C	-	1.1151 – 1.1156	ASTM D4052-2015
MEG content	% wt	99.9 (Minimum)	By Difference
DEG content	% wt	0.02 (Maximum)	Based on ASTM E2409
Water content	% wt	0.02 (Maximum)	ASTM E1064
Distillation Range @760 mm Hg			ASTM D1078
Initial Boiling Point	°C	196 (Minimum)	
Dry Point	°C	199 (Maximum)	
5% to 95% Volume Range	°C	1 (Maximum)	
UV Transmittance			
at 220 nm	%	80 (Minimum)	ASTM E2193
at 250 nm	%	90 (Minimum)	ASTM E2193
at 275 nm	%	95 (Minimum)	ASTM E2193
at 350 nm	%	99 (Minimum)	ASTM E2193
Color Pt-Co units			
Before Heating	mg Pt/L	5 (Maximum)	ASTM D5386
After Heating 4 hrs.	mg Pt/L	10 (Maximum)	DC-406
After Heating with NaOH	mg Pt/L	10 (Maximum)	EO-548
After Heating with HCl	mg Pt/L	10 (Maximum)	DC-407
Acidity (as Acetic Acid)	ppm wt	10 (Maximum)	ASTM D1613
Chloride	ppm wt	0.1 (Maximum)	EO-635
Iron (Fe)	ppm wt	0.05 (Maximum)	ASTM E394
Ash	ppm wt	10 (Maximum)	ASTM D482
Aldehydes (as Formaldehyde)	ppm wt	8 (Maximum)	S-63C