



Unidad Industrial Coatzacoalcos

SALES SPECIFICATION

EVCI-205

ETHYLENE GLYCOL FIBER GRADE

07/09/24

1 of 2

Revision

12

FORMULA: HO-CH₂-CH₂-OH

MOL WT: 62.07

DESCRIPTION

Colorless and virtually odorless and hygroscopic liquid.

APPLICATIONS

Raw material in the production of synthetic polyester fibers, polyethylene glycols, polyurethane systems, and PET resin.

SPECIFICATIONS

TEST METHOD

Appearance		Clear liquid		MP-207
Odor ⁽¹⁾		Characteristic		MP-216
Purity, wt %		99.8	Min.	MP-246
Diethylene Glycol, wt %		0.05	Max.	MP-246
Water, wt %		0.05	Max.	MP-220
Color, Pt-Co		5	Max.	MP-216
Ashes, wt %		0.003	Max.	MP-222
Acidity as Acetic Acid, wt %		0.001	Max.	MP-203
Iron, ppm (mg/kg)		0.05	Max.	MP-225
Specific Gravity, 20/20 °C		1.1151	Min.	MP-241
		1.1154	Max.	
Transmittance @	220 nm, %	70	Min.	MP-251
	250 nm, %	90	Min.	
	275 nm, %	94	Min.	
	350 nm, %	98	Min.	
Absorbance @	275 nm	3.5	Max.	MP-251
	350 nm	0.8	Max.	
	420 nm	0.8	Max.	
Boiling Range, °C @ 101.3 kPa (760 mm Hg) ⁽²⁾				MP-237
I.B.P. ⁽³⁾		196	Min.	
D.P.		199	Max.	



Unidad Industrial Coatzacoalcos

SALES SPECIFICATION

EVCI-205

ETHYLENE GLYCOL FIBER GRADE

07/09/24

2 of 2

Revision

12

Chlorides, ppm (mg/kg)	0.1	Max.	MP-213
Sulfates, ppm (mg/kg)	20	Max.	MP-250
Refractive Index @ 20 °C	1.4290	Min.	MP-236
	1.4330	Max.	
Appearance at black Light	Without fluorescence		MP-207
Color after 4 h ebullition, Pt-Co	20	Max.	MP-215
Acid number, mg KOH/g	0.03	Max.	MP-203
pH, 50% aqueous solution @ 25 °C	6.0	Min.	MP-227
	7.5	Max.	
Aldehydes, ppm (mg/kg)	10	Max.	MP-221

Notes:

- (1) Performed at room temperature.
- (2) Correct for deviation of the barometric pressure from normal by adding algebraically the correction calculated as follows: $\text{Correction} = 0.045 (760 - P)$ P= barometric pressure in mm Hg.
- (3) I.B.P.: initial boiling point D.P.: dry point.

AVAILABILITY

In bulk or in plastic drums containing 230 kg net wt. (507.2 lb. net.) or 1 t containers.

Headquarters: Av. Paseo de las Palmas 781, Piso 2, Colonia Lomas de Chapultepec
III Sección, Miguel Hidalgo, C.P. 11000, Ciudad de México. Tel. 55
2789-2200

COATZACOALCOS Plant: km 4.2 Boulevard Morelos, Parque Industrial Petroquímico
Morelos, Coatzacoalcos, Veracruz 96400

Website

www.grupoidesa.com

Email Commercial: pedidosidesa@idesa.com.mx **Quality:** Calidad.Idesa@idesa.com.mx