

Technical Data Sheet (TDS)

Diethylene Glycol (DEG)

HS Code: 29094100

Description:

Diethylene glycol, also known as DEG is a clear, colorless, odorless liquid with the formula C₄H₁₀O₃.

It is miscible both in water and also in many organic compounds with hygroscopic trait which makes it a useful industrial chemical substance.

CHARACTERISTIC	TEST METHOD	UNIT	VALUE
PURITY	ASTM E – 202	WT. %	99.8 MIN.
DIETHYLENE GLYCOL	ASTM E – 202	WT. %	0.08 MAX
WATER CONTENT	ASTM E – 203	WT. %	0.08 MAX
ACIDITY AS ACETIC ACID	ASTM D – 1613	WT. PPM	10 MAX
ASH	DC – 254A	gr/100ml	MAX. 0.005
CHLORIDES	EO – 635	WT. PPM	0.1 MAX.
IRON	ASTM E – 202	WT. PPM	0.1 MAX.
ALDEHYDE AS ACETALDEHYDE	DC – 163C	WT. PPM	10 MAX.
COLOR Pt-Co	ASTM D – 1209	Pt – Co	5 MAX .
SP. GR (20/20 °C)	ASTM D – 891	-	1.1151 – 1.1156
DISTILLATON @ 760 MM-Hg			
IBP	ASTM D – 1078	°C	196 MIN.
DP	ASTM D – 1078	°C	199 MAX.
5-95 VOL % RANGE	ASTM D – 1078	°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.



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