

Technical Data Sheet

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Item Name:

MPG

PRODUCT INFORMATION

Chinese Name:	丙二醇
Commodity Name:	MPG
Chemical Name:	Mono Propylene Glycol
Other Name:	Propylene Glycol, 1,2-Propanediol, Propane-1,2-diol
CAS No.:	57-55-6
Molecular Weight:	76.09
Molecular Formula:	C ₃ H ₈ O ₂

TECHNICAL SPECIFICATION

Index	Tech	High	China Standard	USP International Standard
Appearance	Colorless, viscous, transparent liquid			
Purity (as PG by wt %)	99.5 min	99.5 min	99.5 min	99.8 min
Moisture by wt %	0.2 max	0.2 max	0.2 max	0.1 max
Color APHA, Pt-Co	10 max	5 max	10 max	10 max
Specific gravity d ₂₀ ²⁰	1.037 - 1.039	1.036 - 1.039	1.035 - 1.037	1.035 - 1.039
Index of refraction nD ₂₀	1.431 - 1.435	1.430 - 1.435	1.431 - 1.432	1.431 - 1.435
Free acid (as CH ₃ COOH) by ppm	75 max	/	/	/
Free acid (ml 0.1N NaOH/10ml)	/	/	0.05 max	0.01 max
Alkalinity (as OH ⁻ mmol/100g)	80 max	/	70 max	20 max
Distillation range (IBP-DP) by °C	/	183 - 189	/	186 - 189
Distillation range (L) by °C	184 - 189	/	184 - 189	/
Distillation range (U) by °C	184 - 189	/	184 - 189	/
Distillation volume, by vol %	95 min	/	/	/
Chloride as Cl by wt %	/	/	0.007 max	0.0001 max
Suphate as SO ₄ ²⁻ by wt %	/	/	0.006 max	0.001 max
Heavy metal as Pb by ppm	/	/	5 max	5 max
Iron as Fe by ppm	/	/	0.5 max	0.5 max
Arsenic by ppm	/	/	1 max	/
Ethylene glycol by ppm	/	/	0.008 max	/
Diethylene glycol by ppm	/	/	0.008 max	/
Odor	yes	yes	Slight odor	odorless

PACKING, LOADING AND SHELF LIFE

Packing: 215kg galvanized iron drum

Loading: 17.2mt/20'fcl

Shelf Life: 12 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.