Arena Petro Gas

Producer and Supplier in the fields of Chemical ,Oil ,Gas and Petrochemical industries

DATE: 2024-2025
Arena Code: AS10406/KIM-MPG PH

Technical Data Sheet

MPG

Mono Propylene Glycol(Pharmaceutical)

Propylene Glycol, known also by the systematic name propane-1,2-diol, is an organic compound (a diol alcohol) that is usually a tasteless, odorless and colorless clear oily liquid. It is hygroscopic and miscible with water, acetone and chloroform.

Applications:

KEMPG is widely used as ingredient in a diverse range of cosmetics and personal care products. It provides outstanding functionality as a solvent, coupling agent, carrier, emulsion stabilizer, dispersant, softening agent, viscosity modifier and humectants. It is also used in oral care (mouth washers, toothpastes), skin care (creams, lotions and oils), deodorants and anti-perspirants (roll & stick), hair care (shampoo, conditioner and styler, coloring items), shaving (creams, foams, gels, after shaves), bath and shower soaps, gels and moisturizers, body care (wipers, antiseptics), cleaners and disinfectants.
MPG is an effective humectant, preservative and stabilizer, and may be used in such diverse applications as bakery goods, food flavorings, salad dressings and semi-moist pet food.

Properties	Value	Test Method
Identification	A: Infrared Absorption Spectrum obtained with standard propylene glycol	USP41-NF36
	B: Limit of DEG & EG NMT 0.1, Wt%	
	C: RT of PG chromatogram in B complies Standard peak	
SP. GR. (25 °C)	1.035-1.037	USP41-NF36
Acidity(as acetic acid),ml NAOH , 0.1 M	NMT 0.2 ml of NaOH 0.1N	USP41-NF36
Chloride, ppm	NMT 70	USP41-NF36
Sulphate, ppm	NMT 60	USP41-NF36
Residue on Ignition (in 50g), mg	NMT 3.5	USP41-NF36
Assay (on a dry basis), Wt%	MIN 99.5	USP41-NF36
Heavy metals,ppm	MAX 5	USP41-NF36
Water Content, Wt%	MAX 0.2	USP41-NF36
Residual solvents,ppm	Defined as Organic volatile chemicals	USP41-NF36

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