



Tech

Technical Data

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# PROPYLENE GLYCOL (USP/K)

## GENERAL DESCRIPTION:

Propylene Glycol USP/K is a high-purity grade of monopropylene glycol for use in pharmaceutical, food, cosmetic, personal care, flavor and fragrance, plus a variety of other applications. The clear, colorless, practically odorless, slightly viscous, water-soluble and hygroscopic liquid with low vapor pressure is produced and handled with current Good Manufacturing Practice (cGMP) guidelines.

## APPLICATIONS:

Propylene Glycol USP/K is a widely used ingredient in pharmaceutical, food, cosmetic, personal care, flavors, and animal feed applications.

\*\*\* In Brewing applications, Propylene Glycol USP/K may be used for chilling purposes, or as an overall coolant in the brewing process. \*\*\*

- ◆ Excellent solvent action
- ◆ High humectant values for providing moisture retention in products
- ◆ Low volatility
- ◆ Absence of odor and color
- ◆ Complete water solubility
- ◆ Excellent solubility for other organic materials

## SALES SPECIFICATIONS

<u>Property</u>	<u>Specifications</u>	<u>Test Method *</u>
Acidity (as acetic acid), wt. %	0.005 max.	ST-31.46, B
Appearance	Substantially free of suspended matter	ST-30.1
Ash, wt. %	0.005 max.	ST-31.12
Assay as PG, wt. %	99.0 min.	ST-35.102
Chlorides (Inorganic) as Cl, ppm	1.0 max.	ST-4.7
Color, Pt-Co	10 max.	ST-30.12
Iron as FE, ppm	1.0 max.	ST-4.9
Water, wt. %	0.2 max.	ST-31.53

\* Test methods are available upon request.

## STORAGE & HANDLING:

PG USP/EP has a shelf life of two years when stored below 40°C (104°F) in closed containers away from sources of UV light.

\*\*\*[For more detail about product handling & safety info, please refer to the Material Safety Data Sheet](#)\*\*\*