

PETER CREMER

NORTH AMERICA, LP

Propylene Glycol

4/22/1999

Chemical Properties	Propylene Glycol U.S.P. - Food Grade	Propylene Glycol Technical Grade
	PG-USP*	PG-TG
Assay (% PG on anhydrous basis) PG, wt. % DPG, wt. %	99.5% 0.5%	99.0% ----
Specific Gravity, by density meter: at 25°/25° C	1.035 – 1.037	1.035 – 1.0365
% Moisture	0.2 Max.	0.2 Max.
Color, APHA Pt-Co (Hazen) Scale	10 Max.	10 Max.
Acidity as Acetic Acid, wt %	0.011 Max.	0.005 Max.
Distillation Range, 760 mm, ° C IBP DP	185 Min. 189 Max.	185 Min. 190 Max.
Chlorides (as Chlorine)	70 ppm max	0.001%
Sulfates	60 ppm max	----
Heavy Metals	5 ppm max	----
Arsenic as As	3 ppm	----
Residue on Ignition, wt. %	0.007 Max.	----
Ash, wt. %		0.005 Max.
Identification Reference: USP XXII, NFXVII 1/1/90	Like Reference Standard	----
Odor	Practically none	----
Appearance	Clear, Free of suspended matter	Clear, substantially Free of suspended matter

* PG-USP is available in Kosher grade (PG-USPK)