

# PETER CREMER

NORTH AMERICA, LP

## Glycerine

4/21/1999

<b>Chemical Properties</b>	<b>99.7% Glycerine – U.S.P. Food Grade GL-99.7*</b>	<b>96.0% Glycerine – U.S.P. Food Grade GL-96.0</b>
Glycerine Content (Bosart & Snoddy table)	99.7% minimum (99.9%)	96.0% (96.3%)
Specific Gravity, by density meter: at 25°/25° C	1.2613 minimum (1.2618)	1.2517-1.2531 (1.2524)
Assay (percent Glycerine on anhydrous basis)	99-101	99-101
% Moisture	0.3 max.	4.0 max.
Color, APHA Pt-Co (Hazen) Scale	10 maximum (6)	10 maximum (5)
Residue on Ignition	0.007% or 70 ppm max	0.007% or 70 ppm max
Chlorides (as Chlorine)	0.001% or 10 ppm max	0.001% or 10 ppm max
Sulfates	0.002% or 20 ppm max	0.002% or 20 ppm max
Heavy Metals (as Pb)	0.0005% or 5 ppm max	0.0005% or 5 ppm max
Chlorinated Compounds (as Cl)	0.003% or 30 ppm max	0.003% or 30 ppm max
Fatty Acids and Esters	Not more than 0.3 ml. N/2 NaOH is absorbed by 50 g of glycerine, which is equivalent to 0.009% as Na <sub>2</sub> O  (0.13) maximum	Not more than 0.3 ml. N/2 NaOH is absorbed by 50 g of glycerine, which is equivalent to 0.009% as Na <sub>2</sub> O  (0.13) maximum
Chromatographic Purity	Individual impurity $\leq$ 0.1% Sum of all impurities $\leq$ 0.1%	Individual impurity $\leq$ 0.1% Sum of all impurities $\leq$ 0.1%
Identity by GC	Passes test as glycerine	Passes test as glycerine
Organic Volatile Impurities	Benzene $\leq$ 100 ppm Chloroform $\leq$ 50 ppm 1,4 dioxane $\leq$ 100 ppm Methylene chloride $\leq$ 500 ppm Trichloroethylene $\leq$ 100 ppm	Benzene $\leq$ 100 ppm Chloroform $\leq$ 50 ppm 1,4 dioxane $\leq$ 100 ppm Methylene chloride $\leq$ 500 ppm Trichloroethylene $\leq$ 100 ppm

\* 99.7 % is available in Kosher grade (GL-99.7K)

CAS No 56-81-5 for both

Specification  
(Typical value)

