

# UNIOLEO GLYCERIN 99

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## Technical Data Sheet

**GLYCERINE 99.5% USP**  
**SPEC CODE : G0995-01**

Version: 1508/1501

<b>Appearance:</b>	Hygroscopic, viscous, sweet-tasting, colourless and odourless liquid.		
<b>PARAMETER</b>	<b>RANGE</b>	<b>TYPICAL VALUE</b>	<b>METHOD</b>
Characters/Appearance	Clear colourless	Clear colourless	USP 34
Assay (%)	99.5 min	99.8	USP 34
Fatty Acids & Esters (ml 0.5M NaOH/50g)	1.0 max	0.14	USP 34
Colour (APHA)	10 max	< 10	ASTM D 1209:1993
Chlorides (ppm Cl)	10 max	< 10	USP 34
Sulphate (ppm)	20 max	< 20	USP 34
Water (%)	0.5 max	0.2	ISO 760
Residue on ignition (%)	0.01 max	< 0.01	USP 34
Identification A (Infra-Red Absorption)	Pass	Pass	USP 34
Diethylene Glycol (wt%)	0.1 max	< 0.01	USP 34
Ethylene Glycol (wt%)	0.1 max	< 0.01	USP 34
Identification C (Chromatography)	Pass	Pass	USP 34
Individual impurities (wt%)	0.1 max	< 0.1	
Total impurities (wt%)	1.0 max	<1.0	
Chlorinated compounds (ppm Cl)	30 max	< 30	USP 34
Heavy Metal (ppm Pb)	5 max	< 5	USP 34
Specific Gravity at 25/25°C	1.2612 min	1.2618	USP 34
Refractive Index at 20°C	1.470 -1.475	1.4738	Ph. Eur
Odour	Typical Odour	Pass	Sensory

<b>Packing</b>	Liquid in Isotank/flexy bag/Drums/IBC.
<b>Storage</b>	Product stored in the original closed packaging (drum, IBC) or in stainless steel storage tank under recommended condition (maximum 40°C). Product stable at least 2 years after manufacturing date.
<b>Country of Origin</b>	INDONESIA
<b>HS CODE</b>	2905.45.00.00
<b>CAS NO</b>	56-81-5
<b>EINECS NO</b>	200-289-5



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## PRIMARY APPLICATION:

<b>Food Additives:</b>	Ingredient, Humectant, Intermediate.
<b>Pharmaceuticals &amp; Nutraceuticals:</b>	Ingredient and Humectant in Cough Syrups, Elixirs & Expectorant, Oral Care, Toothpaste, Suppositories, Excipient, Gel Caps.
<b>Personal Care &amp; Toiletries:</b>	Ingredient and Humectant, Cosmetics, Creams & Lotions, Oral Care, Toothpaste, Mouthwash, Bar & Liquid Soap.
<b>Lubricants &amp; Grease, Paint &amp; coating:</b>	Intermediate.
<b>Textiles:</b>	Intermediate, Dispersant, Lubricating, Sizing & Softening of Yarn & Fabric.

