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## Typical Product Specifications & Properties

# Glycerin 99.5% USP

CAS Number: : 56-81-5

| Specifications              | Limits                        |
|-----------------------------|-------------------------------|
| Organic Volatile Impurities | Meets requirements            |
| Glycerol Content            | 99.5 % Min.                   |
| Solubility                  | Meets the requirements        |
| Residue on Ignition         | 0.01% Max.                    |
| Heavy Metals                | 5 ppm Max.                    |
| Identification              | Meets the requirements        |
| Insolubility                | in ether, benzene, chloroform |
| Refractive Index            | 1.4730 (25 c)                 |
| Odor                        | odorless, sweet taste         |
| Melting Point               | 17.8 c                        |
| Color                       | clear colorless syrupy liquid |
| Molecular weight            | 92.09                         |



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| Specifications                  | Limits                  |
|---------------------------------|-------------------------|
| Flash Point                     | (oc) 176 c              |
| Boiling Point                   | 290 c (dec.)            |
| Density                         | 1.26201 (2525 c)        |
| Specific gravity (@25/25° C)    | 1.249 Min.              |
| Color, Pt-Co                    | 10 Max.                 |
| Chlorides                       | 10 ppm Max.             |
| Water Content                   | 0.5 % Max.              |
| Chromatographic Purity          | Meets Requirements      |
| Chlorinated Compounds           | 30 ppm Max.             |
| Sulfates                        | 20 ppm Max.             |
| Fatty Acid& Esters MI 0.5N NaOH | 1 ml of 0.5 N NaOH Max. |



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