



## Quality specification

### Glycerine Ph.Eur.8.0 99,7%

Characteristics: clear, odorless & colorless , plant-derived.

Glycerol produced by the transesterification of rapeseed oil from non-GMO rapeseed.

| Parameter                           | Specification<br>Ph Eur 8 |       | Typical<br>result | Unit               | Method            |
|-------------------------------------|---------------------------|-------|-------------------|--------------------|-------------------|
|                                     | min                       | max   |                   |                    |                   |
| Appearance                          | complies                  |       | complies          | -                  | Ph.Eur.8.0/2.2.1  |
|                                     | colorless                 |       | colorless         | -                  | Ph.Eur.8.0/2.2.2  |
| Color , APHA scale                  | -                         | 10    | < 5               | -                  | ISO2211:1973      |
| Acidic/basic<br>substances          | -                         | 0.2   | 0.09              | ml 0.1 mol<br>NaOH | Ph.Eur.8.0/0496   |
| Aldehydes                           | -                         | 10    | < 10              | mg/kg              |                   |
| Ester number                        | 8.0                       | -     | 8.5               | ml 0.1 mol<br>HCl  |                   |
| Impurity A                          | -                         | 0.1   | < 0.1             | -                  |                   |
| Halogen compounds                   | -                         | 35    | < 35              | mg/kg              |                   |
| Sugars                              | negative                  |       | negative          | -                  |                   |
| Glycerol content                    | 98                        | 101   | > 99.8            | %(m/m)             |                   |
| Impurities RT <<br>Glycerol         | -                         | 0.1   | < 0.1             | %(m/m)             |                   |
| Impurities RT ><br>Glycerol         | -                         | 0.5   | < 0.5             | %(m/m)             |                   |
| Chloride                            | -                         | 10    | < 10              | ppm                |                   |
| Heavy metals                        | -                         | 5     | < 5               | ppm                | Ph.Eur.8.0/2.4.8  |
| Refraction index (20 <sup>o</sup> ) | 1.470                     | 1.475 | 1.474             | -                  | Ph.Eur.8.0/2.2.6  |
| Water content                       | -                         | 2     | 0.5               | %(m/m)             | Ph.Eur.8.0/2.5.12 |
| Sulphated ash (600 <sup>o</sup> )   | -                         | 0.01  | <0.01             | %(m/m)             | Ph.Eur.8.0/2.4.14 |

This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing or as a medical device or as disinfectant. Appropriate/legal use of this product is the responsibility of the user.