



## Specification

| Concerning Product:                     |                                              |
|-----------------------------------------|----------------------------------------------|
| Article number                          | 56815HPE99                                   |
| Trade name / designation / denomination | Glycerin 99,5% EP                            |
| CAS number                              | 56-81-5                                      |
| Other names / synonyms                  | •Glycerine; •glycerol; •propane-1,2,3-triol; |
| EC number                               | 200-289-5                                    |
| Customs tariff number / CN code / TARIC | 29054500                                     |
| Molecular weight [g / mol]              | 92.09382                                     |
| Formula                                 | C <sub>3</sub> H <sub>8</sub> O <sub>3</sub> |

| Parameter                 | Test Method  | Specification                                  | Unit  |
|---------------------------|--------------|------------------------------------------------|-------|
| <b>Organoleptic test</b>  |              |                                                |       |
| Appearance                |              | Clear, colorless and odorless liquid (viscous) |       |
| Appearance                | 2.2.1/2.2.2  | entspricht                                     |       |
| Colour                    | ISO 6271     | ≤ 10                                           | ALPHA |
| <b>Physical parameter</b> |              |                                                |       |
| Acidity/Alkalinity        | 0496         | ≤ 0,2                                          | ml    |
| Refraction index          | 2.2.6        | 20°C: 1,470 – 1,475                            |       |
| Density                   | EN ISO 12185 | 20°C: ≥ 1,260                                  |       |
| Loss on drying            | 2.5.12       | ≤ 0,5                                          | %     |
| <b>Identity</b>           |              |                                                |       |
| Assay                     | 0496         | 99,5 – 101,0                                   | %     |
| Identification            | 0496         | A, C, D entspricht                             |       |
| <b>Impurities</b>         |              |                                                |       |
| Aldehydes                 | 0496         | ≤ 10                                           | ppm   |
| Halogenated compounds     | 0496         | ≤ 35                                           | ppm   |
| Sulphated ash             | 2.4.14       | ≤ 0,01                                         | %     |
| Impurity                  | 2.2.28       | A, (Diethylenglycol) ≤ 0,1                     | %     |
| Impurity                  | 2.2.28       | Fläche Peaks R (t) < Glycerin ≤ 0,5            | %     |

|                             |        |                                          |     |
|-----------------------------|--------|------------------------------------------|-----|
| Impurity                    | 2.2.28 | A, verwandte Substanzen entspricht       | %   |
| Impurity                    | 0496   | Ester $\geq 8$                           | ml  |
| Impurity                    | 2.2.28 | Fläche Peaks R (t) < Glycerin $\leq 0,1$ | %   |
| <b>Elemental Impurities</b> |        |                                          |     |
| Chlorides (Cl)              | 2.4.4  | $\leq 10$                                | ppm |
| <b>Nutritional data</b>     |        |                                          |     |
| Sugar                       | 0496   | negativ                                  |     |

Chemische Werke Hommel GmbH & Co.KG

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