



## Specification

| <b>Concerning Product:</b>              |                                                                               |
|-----------------------------------------|-------------------------------------------------------------------------------|
| Article number                          | 50997GPI                                                                      |
| Trade name / designation / denomination | D(+)-Glucose wasserfrei<br>D-(+)-Glucose, anhydrous                           |
| CAS number                              | 50-99-7                                                                       |
| Other names / synonyms                  | •(3R,4S,5S,6R)-6-(hydroxymethyl)oxane-2,3,4,5-tetrol;<br>•Dextrose; •glucose; |
| EC number                               | 200-075-1                                                                     |
| Customs tariff number / CN code / TARIC | 170230                                                                        |
| Molecular weight [g / mol]              | 180.15588                                                                     |
| Formula                                 | C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>                                 |

| Parameter                 | Specification          | Unit |
|---------------------------|------------------------|------|
| <b>Organoleptic test</b>  |                        |      |
| Appearance of solution    | clear and colourless   |      |
| Colour                    | white                  |      |
| <b>Physical parameter</b> |                        |      |
| Form                      | powder                 |      |
| Loss on drying            | ≤ 1,0                  | %    |
| <b>Identity</b>           |                        |      |
| Assay                     | ≥ 99,5                 | %    |
| <b>Impurities</b>         |                        |      |
| Impurity                  | SO <sub>2</sub> : ≤ 10 | ppm  |

**Supplemental information:**

**Shelf life:** ~ 8 years

**Storage conditions:** @ 20°C +

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 04. Jul. 2022

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