

CERTIFICATE OF ANALYSIS

Product : **GLYCEROL**
 Product number : G1345
 Batch number : 019178
 Date of production : 20-03-2025
 Date of analysis : 21-03-2025
 Date of expiry : 31-03-2028

Packaging and storage : in a well closed container at room temperature

| | SPECIFICATION | RESULT | UNITS | REMARKS |
|-----------------------------------|---------------------------------|---------------|--------------------|--------------------------------|
| Appearance | clear, colourless syrupy liquid | complies | | hygroscopic |
| Solubility | miscible with water | complies | | |
| Relative density | 1.258 – 1.268 | 1.264 | g·cm ⁻³ | 20 °C |
| Identification | conform | complies | | IR-spectrum |
| Colour of solution | colourless | complies | | 20% in H ₂ O |
| Clarity of solution | clear | complies | | 50% in H ₂ O |
| Acidity or alkalinity | ≤ 0.20 | 0.04 | ml | 0.1 M NaOH |
| Refractive index | 1.470 – 1.475 | 1.474 | | 20 °C |
| Aldehydes | ≤ 10 | < 10 | ppm | |
| Esters | ≥ 8.00 | 9.00 | ml | 0.1 M HCl |
| Halogenated compounds | ≤ 35 | < 35 | ppm | |
| Impurities and related substances | conform | complies | | GC |
| Sugars | conform | complies | | colour reaction |
| Chlorides | ≤ 10 | < 10 | ppm | |
| Water | ≤ 0.50 | 0.03 | % | |
| Sulphated ash | ≤ 0.01 | < 0.01 | % | |
| Assay | 98.00 – 101.00 | 99.95 | % | anhydrous substance, titration |

This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:



S. Bayat, MSc, pharmacist
 Department of Quality Control Duchefa B.V.

Date: 31-03-2025

The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose

Duchefa Biochemie B.V.