

**L-Glutathione reduced****CELLPURE® ≥99 %**

For cell culture and biochemistry.

Storage temperature: +4 °C

Type analysis

Appearance white cryst. powder
Endotoxins ≤6,0 E.U./g
Assay (dry substance) ≥98,5 %
Specific rotation $[\alpha]_{20}^{20}$ -17,5° to -15,5°
Heavy metals ≤0,001 %
Arsenic (As₂O₃) ≤0,0002 %
Loss on drying (3 h, 105 °C) ≤0,5 %
Ash content ≤0,1 %

Art. No.	Pack Qty.	Pack.
6832.1	2.5 g	glass
6832.2	5 g	glass
6832.3	10 g	glass
6832.4	25 g	glass

**L-Glutathione reduced
≥98 %, for biochemistry**

Storage temperature: +4 °C

Type analysis

Appearance white powder
Assay (dry substance) ≥98,0 %
Specific rotation $[\alpha]_{20}^{20}$ -17,5° to -15,5°
Loss on drying (105 °C) ≤0,5 %

Art. No.	Pack Qty.	Pack.
6382.1	5 g	glass
6382.2	25 g	glass
6382.3	50 g	glass
6382.4	100 g	glass

For further information see www.carlroth.com**Gluten**

CAS No. 8002-80-0 · EC no. 232-317-7
WGK 1

Gluten**≥75 % protein**

From wheat.

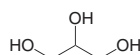
Type analysis

Assay (protein) ≥75 %

Art. No.	Pack Qty.	Pack.
4601.1	100 g	plastic

Gly

► Glycine see page 302

Glycerol

1,2,3-Propanetriol
M 92,09 g/mol
CAS No. 56-81-5 · EC no. 200-289-5
WGK 1

Glycerol**≥99,7 %, p.a., anhydrous, Ultra Quality, synthetic**

C₃H₈O₃ · D 1,261 g/cm³ · mp 18,17 °C ·
bp 290 °C · flp 199 °C

Type analysis

Assay ≥99,7 %
Water ≤0,5 %

Chloride (Cl) ≤0,001 %
Sulphate (SO₄) ≤0,002 %
Sulphated ash ≤0,01 %
Relative density (20/20 °C) 1,260-1,265
Refractive index n_D^{20} 1,470-1,475
Aluminium (Al) ≤0,00005 %
Barium (Ba) ≤0,00001 %
Boron (B) ≤0,000002 %
Calcium (Ca) ≤0,0001 %
Cadmium (Cd) ≤0,000005 %
Cobalt (Co) ≤0,000005 %
Chromium (Cr) ≤0,000002 %
Copper (Cu) ≤0,000005 %
Iron (Fe) ≤0,0002 %
Magnesium (Mg) ≤0,0001 %
Manganese (Mn) ≤0,00001 %
Nickel (Ni) ≤0,00002 %
Lead (Pb) ≤0,00001 %
Tin (Sn) ≤0,00001 %
Zinc (Zn) ≤0,00005 %

Art. No.	Pack Qty.	Pack.
6962.5	100 ml	glass
6962.6	250 ml	plastic
6962.7	500 ml	plastic
6962.1	1 l	plastic
6962.2	2.5 l	plastic
6962.3	5 l	plastic

Glycerol**ROTIPURAN® ≥99,5 %, p.a., anhydrous**

C₃H₈O₃ · D 1,261 g/cm³ · mp 18,17 °C ·
bp 290 °C · flp 199 °C

Guarantee analysis

Appearance clear liquid
Assay ≥99,5 %
Colour (APHA) ≤5
Water (KF) ≤0,5 %
Chloride (Cl) ≤0,001 %
Sulphated ash ≤0,01 %
Relative density (20/20 °C) 1,263-1,2651
Refractive index n_D^{20} 1,470-1,475
Halogen compounds ≤0,0035 %

Art. No.	Pack Qty.	Pack.
3783.7	100 ml	glass
3783.1	1 l	plastic
3783.3	1 l	glass
3783.2	2.5 l	plastic
3783.4	2.5 l	glass
3783.5	5 l	plastic
3783.6	10 l	plastic
3783.8	25 l	plastic

Glycerol**≥99 %, anhydrous, Ph. Eur., USP, synthetic**

C₃H₈O₃ · D 1,261 g/cm³ · mp 18,17 °C ·
bp 290 °C · flp 199 °C

Guarantee analysis

Appearance clear, colourless liquid
Assay (dry substance) 99,0-101,0 %
Identity complies
Water ≤2,0 %
Colour complies
Acidity/alkalinity ≤0,2 ml (0,1 M NaOH)
Ester ≥8 ml (0,1 M HCl)
Halogen compounds ≤0,003 %
Aldehydes ≤0,001 %
Sugar complies
Chloride (Cl) ≤0,001 %
Sulphate (SO₄) ≤0,002 %
Related substances (USP) complies
Specific density (25/25 °C) ≥1,249
Refractive index n_D^{20} 1,470-1,475
Ash content ≤0,01 %
Sulphated ash ≤0,01 %
Ethylene and diethylene glycol complies
Impurity A ≤0,1 %

Any other impurity (with a R(t) < Glycerol) ≤0,1 %
Total of all impurities (with a R(t) > Glycerol) ≤0,5 %
Appearance of solution complies

Art. No.	Pack Qty.	Pack.
6967.5	100 ml	plastic
6967.6	250 ml	plastic
6967.7	500 ml	plastic
6967.1	1 l	plastic
6967.2	2.5 l	plastic
6967.3	5 l	plastic
6967.4	10 l	plastic

Glycerol**SOLVAGREEN® ≥98 %, anhydrous, Ph. Eur.**

C₃H₈O₃ · D 1,261 g/cm³ · mp 18,17 °C ·
bp 290 °C · flp 199 °C

Guarantee analysis

Assay 98,0-101,0 %
Identity complies
Appearance of solution complies
Refractive index n_D^{20} 1,470-1,475
Relative density (20/20 °C) 1,263-1,2651
Acidity/alkalinity ≤0,2 ml (0,1 M NaOH)
Ester ≥8 ml (0,1 M HCl)
Colour complies
Sulphated ash ≤0,01 %
Halogen compounds ≤0,0035 %
Water (KF) ≤2,0 %
Chloride (Cl) ≤0,001 %
Aldehydes ≤0,001 %
Sugar complies
Impurity A ≤0,1 %
Any other impurity (with a R(t) < Glycerol) ≤0,1 %
Total of all impurities (with a R(t) > Glycerol) ≤0,5 %

Art. No.	Pack Qty.	Pack.
7530.7	100 ml	glass
7530.1	1 l	plastic
7530.4	2.5 l	plastic
7530.5	5 l	plastic
7530.2	10 l	plastic
7530.6	25 l	plastic

Glycerol**SOLVAGREEN® ≥98 %, Ph. Eur., palm-free**

C₃H₈O₃ · D 1,261 g/cm³ · mp 18,17 °C ·
bp 290 °C · flp 199 °C

Guarantee analysis

Assay 98,0-101,0 %
Identity complies
Appearance of solution clear, colourless
Water ≤2,0 %
Chloride (Cl) ≤0,001 %
Sulphated ash ≤0,01 %
Refractive index n_D^{20} 1,470-1,475
Relative density (20/20 °C) 1,258-1,268
Acidity/alkalinity ≤0,2 ml (0,1 M NaOH)
Aldehydes ≤0,001 %
Ester ≥8 ml (0,1 M HCl)
Colour (APHA) ≤10
Halogen compounds ≤0,0035 %
Sugar complies
Impurity A ≤0,1 %
Any other impurity (with a R(t) < Glycerol) ≤0,1 %
Total of all impurities (with a R(t) > Glycerol) ≤0,5 %

Art. No.	Pack Qty.	Pack.
1Y1.1	500 ml	plastic
1Y1.2	1 l	plastic
1Y1.3	2.5 l	plastic
1Y1.4	5 l	plastic
1Y1.5	10 l	plastic
1Y1.6	25 l	plastic