

# Растворы для анализа вина и оливкового масла

## Технические характеристики

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Hydrochloric acid 0.1 mol/l  
3.646 g HCl / l H<sub>2</sub>O = 0.1 N (±0.0002/20°C)  
For analysis of wines and vinegars, Titrations

CL12.0305

CAS Nr:7647-01-0

#### Physical

- **Form:** liquid
- **Colour:** colourless
- **Melting point:** 0°C
- **Boiling point:** 100°C
- **Flash point:** -
  
- **Density:** 1,00 g/ml
- **Mol Weight:** 36.46 g/mol
- **Storage temp:** RT

| Art. Nr.       | Pack | Mod | Stoc<br>k |        |
|----------------|------|-----|-----------|--------|
| CL12.0305.1000 | 1 l  | PE  | 1         | Custom |

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CL12.0306

**Hydrochloric acid 1 mol/l**  
36.461 g HCl / l H<sub>2</sub>O = 1 N (±0.002/20°C)  
Casnr.: 7647-01-0

| Art. Nr.       | Pack | Mod | Stoc<br>k |        |
|----------------|------|-----|-----------|--------|
| CL12.0306.1000 | 1 l  | PE  | 60        | Custom |

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CL12.1005

**Iodine 0.005 mol/l**  
1.269 g I<sub>2</sub> / l H<sub>2</sub>O = 0.01 N (±0.0004/20°C)

| Art. Nr.       | Pack      | Mod | Stoc<br>k |        |
|----------------|-----------|-----|-----------|--------|
| CL12.1005.0500 | 500<br>ml | GVB | 0         | Custom |
| CL12.1005.1000 | 1 l       | GVB | 156       | Custom |

CL12.1006  
**Iodine 0.0125 mol/l**  
 3.1725 g I<sub>2</sub> / l H<sub>2</sub>O = 0.025 N (±0.0004/20°C)

| Art. Nr.       | Pack | Mod | Stoc<br>k |        |
|----------------|------|-----|-----------|--------|
| CL12.1006.1000 | 1 l  | GVB | 12        | Custom |

CL12.1002  
**Iodine 0.05 mol/l**  
 12.69 g I<sub>2</sub> / l H<sub>2</sub>O = 0.1 N (±0.0002/20°C)

| Art. Nr.       | Pack      | Mod | Stoc<br>k |        |
|----------------|-----------|-----|-----------|--------|
| CL12.1002.0500 | 500<br>ml | GVB | 0         | Custom |
| CL12.1002.1000 | 1 l       | GVB | 0         | Custom |

CL12.1003  
**Iodine 0.5 mol/l**  
 126.905 g I<sub>2</sub> / l H<sub>2</sub>O = 1 N (±0.002/20°C)

| Art. Nr.       | Pack | Mod | Stoc<br>k |        |
|----------------|------|-----|-----------|--------|
| CL12.1003.1000 | 1 l  | GVB | 0         | Custom |

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CL12.1301  
**Methyl orange indicator**  
 1 g C<sub>14</sub>H<sub>14</sub>N<sub>3</sub>O<sub>3</sub>SNa / l H<sub>2</sub>O  
 Casnr.: 547-58-0

| Art. Nr.       | Pack      | Mod | Stoc<br>k |        |
|----------------|-----------|-----|-----------|--------|
| CL12.1301.0250 | 250<br>ml | PE  | 3         | Custom |

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CL12.1302  
**Methylene blue solution**  
 10 g C<sub>16</sub>H<sub>18</sub>CIN<sub>3</sub>S.3H<sub>2</sub>O / l H<sub>2</sub>O  
 Casnr.: 7220-79-3

| Art. Nr.       | Pack      | Mod | Stoc<br>k |        |
|----------------|-----------|-----|-----------|--------|
| CL12.1302.0250 | 250<br>ml | PE  | 7         | Custom |

|                |     |    |    |        |
|----------------|-----|----|----|--------|
| CL12.1302.1000 | 1 l | PE | 13 | Custom |
|----------------|-----|----|----|--------|

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CL12.1422  
**Nessler reagent**  
 KI-HgI<sub>2</sub>-NaOH sol.

| Art. Nr.       | Pack      | Mod | Stoc<br>k |        |
|----------------|-----------|-----|-----------|--------|
| CL12.1422.0500 | 500<br>ml | PEB | 2         | Custom |

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CL12.1110

**Potassium chloride 0.01 mol/l (Conductivity standard)**

LF Standard 1.278  $\mu\text{S/cm}$  @ 20°C - 1.413  $\mu\text{S/cm}$  @ /25°C

Casnr.: 7447-40-7

| Art. Nr.       | Pack      | Mod | Stoc<br>k |        |
|----------------|-----------|-----|-----------|--------|
| CL12.1110.0500 | 500<br>ml | PE  | 36        | Custom |

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CL12.1112

**Potassium hydroxide 0.5 mol/l**

28.055 g KOH / l H<sub>2</sub>O = 0.5 N ( $\pm 0.001/20^\circ\text{C}$ )

Casnr.: 1310-58-3

| Art. Nr.       | Pack      | Mod | Stoc<br>k |        |
|----------------|-----------|-----|-----------|--------|
| CL12.1112.0500 | 500<br>ml | PE  | 0         | Custom |

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CL12.1601

**Pumice stone**

Pumice stone

Casnr.: 1332-09-8

| Art. Nr.       | Pack     | Mod | Stoc<br>k |        |
|----------------|----------|-----|-----------|--------|
| CL12.1601.0500 | 500<br>g | PE  | 2         | Custom |

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CL12.1905  
**Silicon antifoam 30 %**  
 Silicon antifoam - Shake it before use

| Art. Nr.       | Pack | Mod | Stoc<br>k |        |
|----------------|------|-----|-----------|--------|
| CL12.1905.1000 | 1 l  | PEB | 10        | Custom |

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CL12.2605  
**Silver nitrate 0.1 mol/l**  
 16.987 g AgNO<sub>3</sub> / l H<sub>2</sub>O = 0.1 N (±0.0002/20°C)  
 Casnr.: 7761-88-8

| Art. Nr.       | Pack | Mod | Stoc<br>k |        |
|----------------|------|-----|-----------|--------|
| CL12.2605.1000 | 1 l  | PEB | 11        | Custom |

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CL12.1423  
**Sodium hydroxide 0.354 mol/l**  
 14.16 g NaOH / l H<sub>2</sub>O = 1/2.825 N (±0.0007/20°C)  
 Casnr.: 1310-73-2

| Art. Nr.       | Pack      | Mod | Stoc<br>k |        |
|----------------|-----------|-----|-----------|--------|
| CL12.1423.0500 | 500<br>ml | PE  | 0         | Custom |

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CL12.1414

**Sodium hydroxide 10 mol/l**400 g NaOH / l H<sub>2</sub>O = 10 N ( $\pm 0.02/20^{\circ}\text{C}$ )

Casnr.: 1310-73-2

| Art. Nr.       | Pack | Mod | Stoc<br>k |        |
|----------------|------|-----|-----------|--------|
| CL12.1414.5000 | 5 l  | PE  | 0         | Custom |

CL12.1413

**Sodium thiosulfate 0.1 mol/l**24.818 g Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>·5H<sub>2</sub>O / l H<sub>2</sub>O = 0.1 N ( $\pm 0.0002/20^{\circ}\text{C}$ )

Casnr.: 10102-17-7

| Art. Nr.       | Pack | Mod | Stoc<br>k |        |
|----------------|------|-----|-----------|--------|
| CL12.1413.1000 | 1 l  | PE  | 10        | Custom |

CL12.1415

**Sodium thiosulfate 0.5 mol/l**124.09 g Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>·5H<sub>2</sub>O / l H<sub>2</sub>O = 0.5 N ( $\pm 0.001/20^{\circ}\text{C}$ )

Casnr.: 10102-17-7

| Art. Nr.       | Pack | Mod | Stoc<br>k |        |
|----------------|------|-----|-----------|--------|
| CL12.1415.1000 | 1 l  | PE  | 0         | Custom |

CL12.2607

**Sulfuric acid 1 mol/l**98.08 g H<sub>2</sub>SO<sub>4</sub> / l H<sub>2</sub>O = 2 N ( $\pm 0.004/20^{\circ}\text{C}$ )

Casnr.: 7664-93-9

| Art. Nr.       | Pack | Mod | Stoc<br>k |        |
|----------------|------|-----|-----------|--------|
| CL12.2607.1000 | 1 l  | PE  | 0         | Custom |

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CL12.2610

**Sulfuric acid 20 weight % solution**

228 g H<sub>2</sub>SO<sub>4</sub> / l H<sub>2</sub>O

Casnr.: 7664-93-9

| Art. Nr.       | Pack | Mod | Stoc<br>k |        |
|----------------|------|-----|-----------|--------|
| CL12.2610.1000 | 1 l  | PE  | 0         | Custom |

| Art. Nr.       | Pack     | Mod | Stoc<br>k |        |
|----------------|----------|-----|-----------|--------|
| CL12.2002.0100 | 100<br>g | PE  | 2         | Custom |

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CL12.0202

**Barium chloride 14 g/l solution**

14 g BaCl<sub>2</sub>·2H<sub>2</sub>O + 26 ml HCl 37% / l H<sub>2</sub>O

| Art. Nr.       | Pack      | Mod | Stoc<br>k |  |
|----------------|-----------|-----|-----------|--|
| CL12.0202.0500 | 500<br>ml | PE  | 0         |  |

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CL12.0201

**Bromothymol blue indicator**

4 g C<sub>27</sub>H<sub>28</sub>Br<sub>2</sub>O<sub>5</sub>S / l C<sub>2</sub>H<sub>5</sub>OH/H<sub>2</sub>O (1/1)



| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.0201.0250 | 250<br>ml | PE  | 28        |

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CL12.0304

**Calcein - Thymolphthaleine indicator mixture**

10 g C30H26N2O13 + 6 g C28H30O4 + 984 g KCl / kg

| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.0304.0025 | 25 g | GVB | 0         |

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CL12.0303

**Calcium hydroxide (12 % CaO) solution**

158 g Ca(OH)2 / l H2O (Suspension)

Casnr.: 1305-62-0

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.0303.0500 | 500<br>ml | PE  | 27        |
| CL12.0303.1000 | 1 l       | PE  | 45        |

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CL12.1107

**Copper(II) sulfate 0.168 mol/l**

43 g CuSO4.5H2O / l H2O = 0.168 M ( $\pm 0.0005/20^{\circ}\text{C}$ )

Casnr.: 7758-99-8

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.1107.0500 | 500<br>ml | PE  | 0         |

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CL12.0506  
**EDTA diNa salt 0.1 mol/l**  
 37.224 g EDTAdiNa.2H<sub>2</sub>O / l H<sub>2</sub>O = 0.1 M (±0.0004/20°C)  
 Casnr.: 6381-92-6

| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.0506.1000 | 1 l  | PE  | 10        |

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CL12.0507  
**EDTA diNa salt 0.01 mol/l**  
 3.7224 g EDTAdiNa.2H<sub>2</sub>O / l H<sub>2</sub>O = 0.01 M (±0.00004/20°C)  
 Casnr.: 6381-92-6

| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.0507.1000 | 1 l  | PE  | 1         |

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CL12.0501  
**Ethanol 20 vol. % in Water solution**  
 200ml C<sub>2</sub>H<sub>5</sub>OH + 800ml H<sub>2</sub>O  
 Casnr.: 64-17-5

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.0501.0250 | 250<br>ml | PE  | 0         |

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CL12.0502

**Ethanol 16 vol. % in Water solution**

160ml C<sub>2</sub>H<sub>5</sub>OH + 840ml H<sub>2</sub>O

Casnr.: 64-17-5

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.0502.0250 | 250<br>ml | PE  | 0         |

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CL12.0503

**Ethanol 13.5 vol. % in Water solution**

135ml C<sub>2</sub>H<sub>5</sub>OH + 865ml H<sub>2</sub>O

Casnr.: 64-17-5

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.0503.0250 | 250<br>ml | PE  | 0         |

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CL12.0504

**Ethanol 11 vol. % in Water solution**

110ml C<sub>2</sub>H<sub>5</sub>OH + 890ml H<sub>2</sub>O

Casnr.: 64-17-5

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.0504.0250 | 250<br>ml | PE  | 0         |

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CL12.0505

**Ethanol 8.5 vol. % in Water solution**

85 ml C<sub>2</sub>H<sub>5</sub>OH + 915 ml H<sub>2</sub>O

Casnr.: 64-17-5

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.0505.0250 | 250<br>ml | PE  | 0         |

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CL12.0602

**Fehling A reagent**

69.2 g CuSO<sub>4</sub>.5H<sub>2</sub>O + 1 ml H<sub>2</sub>SO<sub>4</sub> 95-97% / l H<sub>2</sub>O

| Art. Nr.       | Pack      | Mod | Stoc<br>k |        |
|----------------|-----------|-----|-----------|--------|
| CL12.0602.0500 | 500<br>ml | PE  | 0         | Custom |
| CL12.0602.1000 | 1 l       | PE  | 36        |        |

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CL12.0603

**Fehling B reagent**

300 g C<sub>4</sub>H<sub>4</sub>O<sub>6</sub>KNa.4H<sub>2</sub>O + 90 g NaOH / l H<sub>2</sub>O

| Art. Nr.       | Pack      | Mod | Stoc<br>k |        |
|----------------|-----------|-----|-----------|--------|
| CL12.0603.0500 | 500<br>ml | PE  | 0         | Custom |
| CL12.0603.1000 | 1 l       | PE  | 51        |        |

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CL12.0604

**Folin-Ciocalteu Phenol reagent**

Folin-Ciocalteu

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.0604.0250 | 250<br>ml | GVB | 1         |

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CL12.0302  
**Hydrochloric acid 18.5 weight % solution**  
 202 g HCl / l H<sub>2</sub>O  
 Casnr.: 7647-01-0

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.0302.0250 | 250<br>ml | PE  | 0         |

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CL12.0301  
**Hydrochloric acid 10 g/l solution**  
 10 g HCl / l H<sub>2</sub>O  
 Casnr.: 7647-01-0

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.0301.0250 | 250<br>ml | PE  | 0         |

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CL12.2301  
**Hydrogen peroxide 10 weight % solution (stab.) p.**  
 ± 33 vol.% H<sub>2</sub>O<sub>2</sub>  
 Casnr.: 7722-84-1

| Art. Nr.       | Pack      | Mod   | Stoc<br>k |
|----------------|-----------|-------|-----------|
| CL12.2301.0100 | 100<br>ml | PE/OD | 0         |

CL12.2302

**Hydrogen peroxide 3 weight % solution (stab.)**

10 vol.% H<sub>2</sub>O<sub>2</sub> / l H<sub>2</sub>O

Casnr.: 7722-84-1

| Art. Nr.       | Pack      | Mod   | Stoc<br>k |        |
|----------------|-----------|-------|-----------|--------|
| CL12.2302.0250 | 250<br>ml | PE/OD | 10        |        |
| CL12.2302.1000 | 1 l       | PE/OD | 3         | Custom |
| CL12.2302.5000 | 5 l       | PE/OD | 0         | Custom |

| Art. Nr.       | Pack      | Mod   | Stoc<br>k |        |
|----------------|-----------|-------|-----------|--------|
| CL12.2303.0250 | 250<br>ml | PE/OD | 13        |        |
| CL12.2303.1000 | 1 l       | PE/OD | 36        | Custom |

CL12.1001

**Iodine 0.01 mol/l**

2.538 g I<sub>2</sub> / l H<sub>2</sub>O = 0.02 N (±0.0004/20°C)

| Art. Nr.       | Pack      | Mod | Stoc<br>k |        |
|----------------|-----------|-----|-----------|--------|
| CL12.1001.0500 | 500<br>ml | GVB | 0         | Custom |
| CL12.1001.1000 | 1 l       | GVB | 71        |        |

CL12.0901.200

**Iron standard solution 200 µg/ml (±0.2 µg)**

1.447 g Fe(NO<sub>3</sub>)<sub>3</sub>·9H<sub>2</sub>O / l 0.5 N HNO<sub>3</sub>

| Art. Nr.           | Pack      | Mod | Stoc<br>k |
|--------------------|-----------|-----|-----------|
| CL12.0901.200.0250 | 250<br>ml | PE  | 0         |

CL12.0901.125

**Iron standard solution 125 µg/ml (±0.5 µg)**

904.3 mg Fe(NO<sub>3</sub>)<sub>3</sub>·9H<sub>2</sub>O / l 0.5 N HNO<sub>3</sub>

| Art. Nr.           | Pack      | Mod | Stoc<br>k |
|--------------------|-----------|-----|-----------|
| CL12.0901.125.0100 | 100<br>ml | PE  | 0         |

CL12.0901.100

**Iron standard solution 100 µg/ml (±0.2 µg)**

723.4 mg Fe(NO<sub>3</sub>)<sub>3</sub>·9H<sub>2</sub>O / l 0.5 N HNO<sub>3</sub>

| Art. Nr.           | Pack      | Mod | Stoc<br>k |
|--------------------|-----------|-----|-----------|
| CL12.0901.100.0100 | 100<br>ml | PE  | 9         |

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CL12.0904

**Mixture indicator 1**

1 g C15H14N3O2Na + 0.5 g C16H18ClN3S.3H2O / l C2H5OH/H2O (1/1)

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.0904.0100 | 100<br>ml | PE  | 38        |

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CL12.1502

**Oxalic acid 0.05 mol/l**

6.31 g C2H2O4.2H2O / l H2O = 0.1 N ( $\pm 0.0002/20^{\circ}\text{C}$ )

Casnr.: 6153-56-6

| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.1502.1000 | 1 l  | PE  | 8         |

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CL12.0601

**Phenolphthalein indicator in Ethanol**

10 g C20H14O4 / l C2H5OH

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.0601.0250 | 250<br>ml | PE  | 0         |

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| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.0601.1000 | 1 l  | PE  | 1         |

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CL12.0605  
**Phosphoric acid 25% a.r.**  
 25+% H<sub>3</sub>PO<sub>4</sub>  
 Casnr.: 7664-38-2

| Art. Nr.       | Pack      | Mod | Stoc<br>k |        |
|----------------|-----------|-----|-----------|--------|
| CL12.0605.0250 | 250<br>ml | PE  | 0         | Custom |
| CL12.0605.1000 | 1 l       | PE  | 23        |        |

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CL12.1113  
**Potassium dichromate 0.334 mol/l**  
 98.07 g K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> / l H<sub>2</sub>O = 2 N (1/3 mol/l) - (±0.01/20°C)  
 Casnr.: 7778-50-9

| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.1113.1000 | 1 l  | PE  | 3         |

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CL12.1101  
**Potassium hexacyanoferrate(II) 10% solution**  
 100 g K<sub>4</sub>(Fe(CN)<sub>6</sub>).3H<sub>2</sub>O / l H<sub>2</sub>O  
 Casnr.: 14459-95-1

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.1101.0250 | 250<br>ml | PE  | 0         |

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CL12.1102

**Potassium hydroxide 1 mol/l**

56.11 g KOH / l H<sub>2</sub>O = 1 N (±0.002/20°C)

Casnr.: 1310-58-3

| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.1102.1000 | 1 l  | PE  | 47        |

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CL12.1109

**Potassium hydroxide 0.1 mol/l**

5.611 g KOH / l H<sub>2</sub>O = 0.1 N (±0.0002/20°C)

Casnr.: 1310-58-3

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.1109.0500 | 500<br>ml | PE  | 0         |

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CL12.1105

**Potassium iodide 30% solution**

300 g KI / l H<sub>2</sub>O

Casnr.: 7681-11-0

| Art. Nr.       | Pack      | Mod | Stoc<br>k |        |
|----------------|-----------|-----|-----------|--------|
| CL12.1105.0500 | 500<br>ml | GVB | 2         |        |
| CL12.1105.1000 | 1 l       | GVB | 7         | Custom |

CL12.1106

**Potassium sodium tartrate 0.886 mol/l**

250 g C<sub>4</sub>H<sub>4</sub>O<sub>6</sub>KNa<sub>4</sub>·4H<sub>2</sub>O + 110 ml NaOH 50% / l H<sub>2</sub>O

| Art. Nr.       | Pack      | Mod | Stoc<br>k |  |
|----------------|-----------|-----|-----------|--|
| CL12.1106.0250 | 250<br>ml | PE  | 0         |  |

CL12.1103

**Potassium thiocyanate 20% solution**

200 g KCNS / l H<sub>2</sub>O

Casnr.: 333-20-0

| Art. Nr.       | Pack      | Mod | Stoc<br>k |  |
|----------------|-----------|-----|-----------|--|
| CL12.1103.0100 | 100<br>ml | PE  | 0         |  |

CL12.1104

**Potassium thiocyanate 5% solution**

50 g KCNS / l H<sub>2</sub>O

Casnr.: 333-20-0

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.1104.0500 | 500<br>ml | PE  | 0         |

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CL12.1924

**Saccharose 60 weight % solution**

600 g C12H22O11 / kg H2O (= 60°Bx at 20°C)

Casnr.: 57-50-1

| Art. Nr.       | Pack     | Mod  | Stoc<br>k |        |
|----------------|----------|------|-----------|--------|
| CL12.1924.0001 | 1 ml     | AMP  | 0         | Custom |
| CL12.1924.0005 | 5 ml     | AMP  | 0         | Custom |
| CL12.1924.0025 | 25<br>ml | DFPE | 0         |        |

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CL12.1923

**Saccharose 55 weight % solution**

550 g C12H22O11 / kg H2O (= 55°Bx at 20°C)

Casnr.: 57-50-1

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CL12.1907

**Saccharose 50 weight % solution**

500 g C12H22O11 / kg H2O (= 50°Bx at 20°C)

Casnr.: 57-50-1

| Art. Nr.       | Pack     | Mod  | Stoc<br>k |
|----------------|----------|------|-----------|
| CL12.1907.0025 | 25<br>ml | DFPE | 0         |

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| Art. Nr.       | Pack     | Mod  | Stoc<br>k |
|----------------|----------|------|-----------|
| CL12.1922.0025 | 25<br>ml | DFPE | 0         |

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CL12.1921

**Saccharose 40 weight % solution**

400 g C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> / kg H<sub>2</sub>O (= 40°Bx at 20°C)

Casnr.: 57-50-1

| Art. Nr.       | Pack     | Mod  | Stoc<br>k |
|----------------|----------|------|-----------|
| CL12.1921.0025 | 25<br>ml | DFPE | 0         |

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CL12.1920

**Saccharose 35 weight % solution**

350 g C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> / kg H<sub>2</sub>O (= 35°Bx at 20°C)

Casnr.: 57-50-1

| Art. Nr.       | Pack     | Mod  | Stoc<br>k |
|----------------|----------|------|-----------|
| CL12.1920.0025 | 25<br>ml | DFPE | 0         |

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CL12.1919

**Saccharose 30 weight % solution**

300 g C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> / kg H<sub>2</sub>O (= 30°Bx at 20°C)

Casnr.: 57-50-1

| Art. Nr.       | Pack     | Mod  | Stoc<br>k |
|----------------|----------|------|-----------|
| CL12.1919.0025 | 25<br>ml | DFPE | 2         |

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CL12.1918

**Saccharose 25 weight % solution**

250 g C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> / kg H<sub>2</sub>O (= 25°Bx at 20°C)

Casnr.: 57-50-1

| Art. Nr.       | Pack     | Mod  | Stoc<br>k |
|----------------|----------|------|-----------|
| CL12.1918.0025 | 25<br>ml | DFPE | 0         |

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CL12.1903

**Saccharose 23.8 weight % solution**

261.56 g C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> / l H<sub>2</sub>O

Casnr.: 57-50-1

| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.1903.1000 | 1 l  | PE  | 0         |

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CL12.1917

**Saccharose 20 weight % solution**

200 g C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> / kg H<sub>2</sub>O (= 20°Bx at 20°C)

Casnr.: 57-50-1

| Art. Nr.       | Pack     | Mod  | Stoc<br>k |
|----------------|----------|------|-----------|
| CL12.1917.0025 | 25<br>ml | DFPE | 1         |

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CL12.1902

**Saccharose 19.4 weight % solution**

210.88 g C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> / l H<sub>2</sub>O

Casnr.: 57-50-1

| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.1902.1000 | 1 l  | PE  | 0         |

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CL12.1916

**Saccharose 15 weight % solution**

150 g C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> / kg H<sub>2</sub>O (= 15°Bx at 20°C)

Casnr.: 57-50-1

| Art. Nr.       | Pack     | Mod  | Stoc<br>k |
|----------------|----------|------|-----------|
| CL12.1916.0025 | 25<br>ml | DFPE | 0         |

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CL12.1901

**Saccharose 14.9 weight % solution**

160.77 g C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> / l H<sub>2</sub>O

Casnr.: 57-50-1

| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.1901.1000 | 1 l  | PE  | 0         |

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CL12.1915

**Saccharose 12.5 weight % solution**

125 g C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> / kg H<sub>2</sub>O (= 12.5°Bx at 20°C)

Casnr.: 57-50-1

| Art. Nr.       | Pack     | Mod  | Stoc<br>k |
|----------------|----------|------|-----------|
| CL12.1915.0025 | 25<br>ml | DFPE | 0         |

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CL12.1914

**Saccharose 12 weight % solution**

120 g C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> / kg H<sub>2</sub>O (= 12°Bx at 20°C)

Casnr.: 57-50-1

| Art. Nr.       | Pack     | Mod  | Stoc<br>k |
|----------------|----------|------|-----------|
| CL12.1914.0025 | 25<br>ml | DFPE | 0         |

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CL12.1913

**Saccharose 11.5 weight % solution**

115 g C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> / kg H<sub>2</sub>O (= 11.5°Bx at 20°C)

Casnr.: 57-50-1

| Art. Nr.       | Pack     | Mod  | Stoc<br>k |
|----------------|----------|------|-----------|
| CL12.1913.0025 | 25<br>ml | DFPE | 0         |

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CL12.1912

**Saccharose 11.2 weight % solution**

112 g C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> / kg H<sub>2</sub>O (= 11.2°Bx at 20°C)

Casnr.: 57-50-1



| Art. Nr.       | Pack     | Mod  | Stoc<br>k |
|----------------|----------|------|-----------|
| CL12.1912.0025 | 25<br>ml | DFPE | 0         |

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CL12.1911

**Saccharose 10 weight % solution**

100 g C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> / kg H<sub>2</sub>O (= 10°Bx at 20°C)

Casnr.: 57-50-1

| Art. Nr.       | Pack     | Mod  | Stoc<br>k |        |
|----------------|----------|------|-----------|--------|
| CL12.1911.0001 | 1 ml     | AMP  | 0         | Custom |
| CL12.1911.0005 | 5 ml     | AMP  | 0         | Custom |
| CL12.1911.0025 | 25<br>ml | DFPE | 0         |        |

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CL12.1910

**Saccharose 7 weight % solution**

70 g C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> / kg H<sub>2</sub>O (= 7°Bx at 20°C)

Casnr.: 57-50-1

| Art. Nr.       | Pack     | Mod  | Stoc<br>k |
|----------------|----------|------|-----------|
| CL12.1910.0025 | 25<br>ml | DFPE | 0         |

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CL12.1909

**Saccharose 5 weight % solution**

50 g C<sub>12</sub>H<sub>22</sub>O<sub>11</sub> / kg H<sub>2</sub>O (= 5°Bx at 20°C)

Casnr.: 57-50-1

| Art. Nr.       | Pack     | Mod  | Stoc<br>k |
|----------------|----------|------|-----------|
| CL12.1909.0025 | 25<br>ml | DFPE | 0         |

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CL12.1908  
**Saccharose 0 weight % solution**  
H2O (= 0°Bx at 20°C)  
Casn.: 57-50-1

| Art. Nr.       | Pack     | Mod  | Stoc<br>k |
|----------------|----------|------|-----------|
| CL12.1908.0025 | 25<br>ml | DFPE | 0         |

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CL12.1904  
**Silicon antifoam**  
Silicon antifoam

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.1904.0100 | 100<br>ml | GVB | 26        |

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CL12.1416  
**Sodium chloride 10 g/l + Potassium aluminium(III) sulfate 120 g/l solution**  
10 g NaCl + 120 g KAl(SO4)2.12H2O / l H2O

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.1416.0500 | 500<br>ml | PE  | 32        |

| Art. Nr.       | Pack  | Mod | Stoc<br>k |
|----------------|-------|-----|-----------|
| CL12.1418.2500 | 2.5 l | PE  | 1         |

CL12.1409  
**Sodium hydroxide 1.666 mol/l**  
 66.64 g NaOH / l H<sub>2</sub>O = 1.666 N ( $\pm 0.003/20^{\circ}\text{C}$ )  
 Casnr.: 1310-73-2

| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.1409.1000 | 1 l  | PE  | 0         |

CL12.1408  
**Sodium hydroxide 0.4 mol/l**  
 16 g NaOH / l H<sub>2</sub>O = 0.4 N ( $\pm 0.0008/20^{\circ}\text{C}$ )  
 Casnr.: 1310-73-2

| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.1408.1000 | 1 l  | PE  | 0         |

CL12.1407  
**Sodium hydroxide 0.2041 mol/l**  
 8.163 g NaOH / l H<sub>2</sub>O = N/4.9 ( $\pm 0.01/20^{\circ}\text{C}$ )

Casnr.: 1310-73-2

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.1407.0500 | 500<br>ml | PE  | 3         |

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CL12.1406

**Sodium hydroxide 0.1332 mol/l**

5.333 g NaOH / l H<sub>2</sub>O = 0.1332 N - ( $\pm 0.0002/20^{\circ}\text{C}$ )

Casnr.: 1310-73-2

| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.1406.1000 | 1 l  | PE  | 4         |

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CL12.1405

**Sodium hydroxide 0.1 mol/l**

4 g NaOH / l H<sub>2</sub>O = 0.1 N ( $\pm 0.0002/20^{\circ}\text{C}$ )

Casnr.: 1310-73-2

| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.1405.1000 | 1 l  | PE  | 0         |

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CL12.1404

**Sodium hydroxide 0.02041 mol/l**

0.816 g NaOH / l H<sub>2</sub>O = N/49 ( $\pm 0.001/20^{\circ}\text{C}$ )

Casnr.: 1310-73-2

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.1404.0500 | 500<br>ml | PE  | 1         |

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CL12.1403

**Sodium hydroxide 0.02 mol/l**

0.8 g NaOH / l H<sub>2</sub>O = 0.02 N ( $\pm 0.00004/20^{\circ}\text{C}$ )

Casnr.: 1310-73-2

[ISO IEC 17025](#)

| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.1403.1000 | 1 l  | PE  | 0         |

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CL12.1402

**Sodium hydroxide 0.01 mol/l**

0.4 g NaOH / l H<sub>2</sub>O = 0.01 N ( $\pm 0.00002/20^{\circ}\text{C}$ )

Casnr.: 1310-73-2

[ISO IEC 17025](#)

| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.1402.1000 | 1 l  | PE  | 6         |

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CL12.1401

**di-Sodium tetraborate.10aq 4.6% solution**

46 g Na<sub>2</sub>B<sub>4</sub>O<sub>7</sub>.10H<sub>2</sub>O / l H<sub>2</sub>O

Casnr.: 1303-96-4

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.1401.0500 | 500<br>ml | PE  | 0         |

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CL12.1410

**Sodium thiosulfate 0.0551 mol/l**

13.675 g Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>·5H<sub>2</sub>O / l H<sub>2</sub>O = 0.0551 N (±0.0002/20°C)

Casnr.: 10102-17-7

| Art. Nr.       | Pack | Mod | Stoc<br>k |
|----------------|------|-----|-----------|
| CL12.1410.1000 | 1 l  | PE  | 0         |

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CL12.2604

**Starch indicator**

20 g (C<sub>6</sub>H<sub>10</sub>O<sub>5</sub>)<sub>n</sub> stab. / l H<sub>2</sub>O

Casnr.: 9005-84-9

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.2604.0500 | 500<br>ml | PE  | 4         |

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CL12.2603

**Starch indicator**

10 g (C<sub>6</sub>H<sub>10</sub>O<sub>5</sub>)<sub>n</sub> stab. / l H<sub>2</sub>O

Casnr.: 9005-84-9

| Art. Nr.       | Pack      | Mod | Stoc<br>k |        |
|----------------|-----------|-----|-----------|--------|
| CL12.2603.0500 | 500<br>ml | PE  | 9         |        |
| CL12.2603.1000 | 1 l       | PE  | 50        | Custom |

CL12.2601  
**Sulfuric acid 33 weight % solution**  
 410 g H<sub>2</sub>SO<sub>4</sub> / l H<sub>2</sub>O  
 Casnr.: 7664-93-9

| Art. Nr.       | Pack      | Mod | Stoc<br>k |  |
|----------------|-----------|-----|-----------|--|
| CL12.2601.0500 | 500<br>ml | PE  | 1         |  |

CL12.2609  
**Sulfuric acid 25 weight % solution**  
 295 g H<sub>2</sub>SO<sub>4</sub> / l H<sub>2</sub>O  
 Casnr.: 7664-93-9

| Art. Nr.       | Pack | Mod | Stoc<br>k |  |
|----------------|------|-----|-----------|--|
| CL12.2609.1000 | 1 l  | PE  | 98        |  |
| CL12.2609.5000 | 5 l  | PE  | 6         |  |

CL12.2602  
**Sulfuric acid 16 vol. % solution**  
 306 g H<sub>2</sub>SO<sub>4</sub> / l H<sub>2</sub>O  
 Casnr.: 7664-93-9

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.2602.0500 | 500<br>ml | PE  | 1         |

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CL12.2001

**TISAB-ENOL Buffer - ISE buffer**

10 g CDTA + 58 g NaCl + 57 ml HAc + 29.4 g NaCitr. / l H<sub>2</sub>O to pH 5.5 with NaOH

| Art. Nr.       | Pack      | Mod | Stoc<br>k |
|----------------|-----------|-----|-----------|
| CL12.2001.0250 | 250<br>ml | PE  | 0         |

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|                |     |    |   |
|----------------|-----|----|---|
| CL12.2001.1000 | 1 l | PE | 0 |
|----------------|-----|----|---|

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