



Chemicals TOP Offers



Density determination

Sodium polytungstate (SPT) is perfect for preparation of heavy liquids. Carl ROTH offers an environmentally friendly alternative to using zinc chloride and mercury saline solutions or highly toxic halogenated hydrocarbons to conduct the sink or swim analyses required for density determination.

Properties:

- Highly water soluble
- pH-neutral solution adjustable
- Maximum achievable density of the solution is 3.1 g/cm³ at 25 °C

Advantages:

- Non-toxic
- Non-flammable
- Odourless
- Low viscosity
- Easy to use
- Extremely easy cleaning of the sinking and floating material with water
- Environmentally friendly

-20%

Sodium polytungstate hydrate

| Purity | Pack. | Art. No. | Pack Qty. | DKK | DKK |
|---------------|---------|----------|-----------|----------|----------|
| ≥99,9 %, p.a. | plastic | 1K08.1 | 50 g | 523,50 | 418,15 |
| | | 1K08.2 | 250 g | 1.846,50 | 1.476,75 |
| | | 1K08.3 | 1 kg | 6.200,25 | 4.959,75 |
| ≥99,9 % | plastic | 8828.1 | 50 g | 455,65 | 364,15 |
| | | 8828.2 | 250 g | 1.653,00 | 1.322,25 |
| | | 8828.3 | 1 kg | 5.716,50 | 4.572,75 |

Heavy liquid, ready-to-use

ready-to-use

| Purity | Pack. | Art. No. | Pack Qty. | DKK | DKK |
|--|---------|----------|-----------|----------|----------|
| 3,00 g/cm ³ , low viscosity | plastic | 1KYT.1 | 100 ml | 1.814,25 | 1.451,25 |
| | | 1KYT.2 | 500 ml | 8.465,65 | 6.772,50 |
| 3,00 g/cm ³ | plastic | 0741.1 | 100 ml | 2.056,15 | 1.644,75 |
| | | 0741.2 | 500 ml | 8.022,40 | 6.417,75 |



3D Printing Materials

NEW / +

-10%

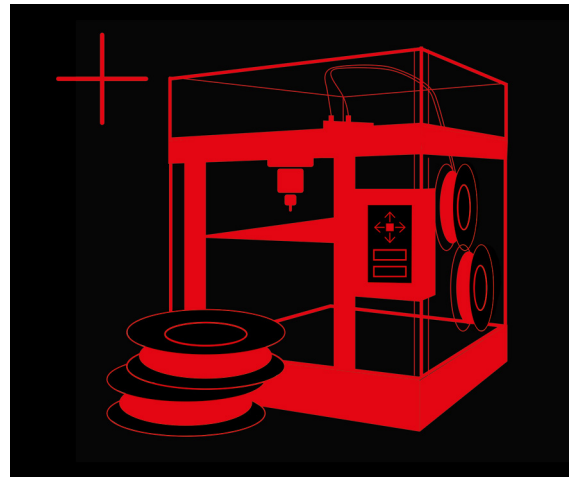
Filaments

Ultrafuse® Standard Filaments

Ultrafuse® Standard Filaments offer you the perfect blend of quality, reliability and ease of use for all your 3D printing projects. Designed for precise and consistent printing results, these filaments are ideal for both beginners and experienced users.

Properties:

- **Outstanding print quality:** smooth and detailed surfaces for your print objects.
- **Easy handling:** Particularly easy to process thanks to low shrinkage and excellent adhesion to the print bed
- **Wide range of colours:** Variety of vibrant colours and high-quality surfaces
- **Versatility:** Perfectly suited for prototyping, modelling and consumer applications

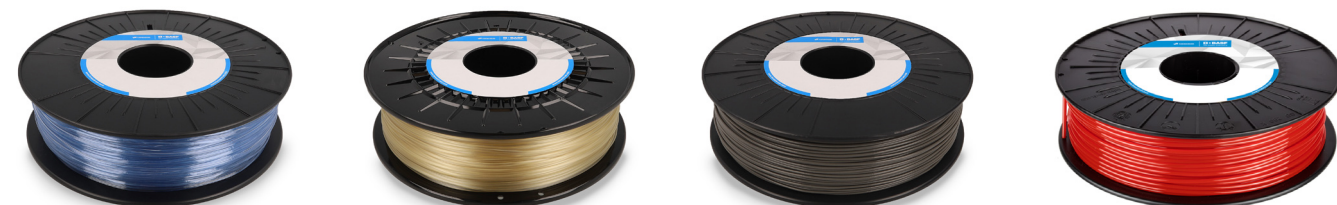


| Material | Colour | Ø | Art. No. | Pack Qty. | DKK | DKK |
|----------|-------------|---------|----------|-----------|--------|--------|
| ABS | white | 1.75 mm | 26KY.1 | 750 g | 201,00 | 180,40 |
| | blue | | 26L1.1 | 750 g | 201,00 | 180,40 |
| | yellow | | 26L3.1 | 750 g | 201,00 | 180,40 |
| | green | | 26L5.1 | 750 g | 201,00 | 180,40 |
| | black | | 26L7.1 | 750 g | 201,00 | 180,40 |
| | red | | 26L9.1 | 750 g | 201,00 | 180,40 |
| PET | transparent | 1.75 mm | 26NY.1 | 750 g* | 176,65 | 158,65 |
| | black | | 26P1.1 | 750 g* | 176,65 | 158,65 |
| | white | | 26P3.1 | 750 g* | 201,00 | 180,40 |
| | red | | 26P5.1 | 750 g | 176,65 | 158,65 |
| | blue | | 26P7.1 | 750 g | 176,65 | 158,65 |
| | yellow | | 26P9.1 | 750 g | 176,65 | 158,65 |
| PLA | green | 1.75 mm | 26PC.1 | 750 g | 176,65 | 158,65 |
| | natural | | 26LC.1 | 750 g | 152,65 | 136,90 |
| | black | | 26LH.1 | 750 g* | 152,65 | 136,90 |
| | white | | 26LL.1 | 750 g* | 152,65 | 136,90 |
| | red | | 26LP.1 | 750 g | 152,65 | 136,90 |
| | blue | | 26LX.1 | 750 g | 152,65 | 136,90 |
| | yellow | | 26NO.1 | 750 g | 152,65 | 136,90 |
| | green | | 26N2.1 | 750 g | 152,65 | 136,90 |
| | orange | | 26N4.1 | 750 g | 152,65 | 136,90 |
| | pearl white | | 26N6.1 | 750 g | 152,65 | 136,90 |
| | gold | | 26N8.1 | 750 g | 152,65 | 136,90 |
| | light blue | | 26NA.1 | 750 g | 152,65 | 136,90 |
| PP | pink | 1.75 mm | 26NE.1 | 750 g | 152,65 | 136,90 |
| | silver | | 26NK.1 | 750 g* | 152,65 | 136,90 |
| | grey | | 26NN.1 | 750 g | 152,65 | 136,90 |
| | bronze | | 26NT.1 | 750 g | 152,65 | 136,90 |
| | natural | | 26H0.1 | 700 g | 394,50 | 354,75 |
| | rPET | | blue | 1.75 mm | 26YE.1 | 750 g |

*Other sizes available online.

| Material | Colour | Ø | Art. No. | Pack Qty. | DKK | DKK |
|----------|-------------|---------|----------|-----------|--------|--------|
| ABS | white | 2.85 mm | 26L0.1 | 750 g | 201,00 | 180,40 |
| | blue | | 26L2.1 | 750 g | 201,00 | 180,40 |
| | yellow | | 26L4.1 | 750 g | 201,00 | 180,40 |
| | green | | 26L6.1 | 750 g | 201,00 | 180,40 |
| | black | | 26L8.1 | 750 g | 201,00 | 180,40 |
| | red | | 26LA.1 | 750 g | 201,00 | 180,40 |
| PET | transparent | 2.85 mm | 26P0.1 | 750 g* | 176,65 | 158,65 |
| | black | | 26P2.1 | 750 g* | 201,00 | 180,40 |
| | white | | 26P4.1 | 750 g* | 201,00 | 180,40 |
| | red | | 26P6.1 | 750 g | 176,65 | 158,65 |
| | blue | | 26P8.1 | 750 g | 176,65 | 158,65 |
| | yellow | | 26PA.1 | 750 g | 176,65 | 158,65 |
| PLA | green | 2.85 mm | 26PE.1 | 750 g | 176,65 | 158,65 |
| | natural | | 26LE.1 | 750 g | 152,65 | 136,90 |
| | black | | 26LK.1 | 750 g* | 152,65 | 136,90 |
| | white | | 26LN.1 | 750 g* | 152,65 | 136,90 |
| | red | | 26LT.1 | 750 g | 152,65 | 136,90 |
| | blue | | 26LY.1 | 750 g | 152,65 | 136,90 |
| | yellow | | 26N1.1 | 750 g | 152,65 | 136,90 |
| | green | | 26N3.1 | 750 g | 152,65 | 136,90 |
| | orange | | 26N5.1 | 750 g | 152,65 | 136,90 |
| | pearl white | | 26N7.1 | 750 g | 152,65 | 136,90 |
| | gold | | 26N9.1 | 750 g | 152,65 | 136,90 |
| | light blue | | 26NC.1 | 750 g | 152,65 | 136,90 |
| PP | pink | 2.85 mm | 26NH.1 | 750 g | 152,65 | 136,90 |
| | silver | | 26NL.1 | 750 g* | 152,65 | 136,90 |
| | grey | | 26NP.1 | 750 g | 152,65 | 136,90 |
| | bronze | | 26NX.1 | 750 g | 152,65 | 136,90 |
| | natural | | 26H1.1 | 700 g | 394,50 | 354,75 |
| | rPET | | blue | 2.85 mm | 26T0.1 | 750 g |

*Other sizes available online.



► Engineering, flexible, high-temperature, metal, reinforced and support filaments as well as 3D printers can be found at www.carlroth.com

3D Printing Materials

NEW / +

-10%

Resins



Ultracur3D® ST Series

The Ultracur3D® ST series, based on high-performance acrylic polymers, offers outstanding mechanical properties and high precision, making it ideal for demanding industrial applications. Thanks to their excellent strength and toughness, these resins deliver durable and detailed parts that meet the highest requirements.

| Product name | Colour | Art. No. | Pack Qty. | DKK | DKK |
|-----------------------|---------------|----------|-----------|--------|--------|
| Ultracur3D® ST 45 | (Fast) | 26T1.1 | 1 kg | 774,00 | 696,40 |
| | M (Precision) | 26T2.1 | 1 kg | 774,00 | 696,40 |
| | B (Fast) | 26T3.1 | 1 kg | 774,00 | 696,40 |
| Ultracur3D® ST 80 | transparent | 26T4.1 | 1 kg | 596,65 | 537,00 |
| | black | 26T5.1 | 1 kg | 596,65 | 537,00 |
| | white | 26T6.1 | 1 kg | 596,65 | 537,00 |
| | grey | 26T7.1 | 1 kg | 596,65 | 537,00 |
| Ultracur3D® ST 1400 | transparent | 26T8.1 | 1 kg | 782,25 | 703,90 |
| Ultracur3D® ST 7500 G | grey | 26T9.1 | 1 kg | 774,00 | 696,40 |

► further resins available online.

Powder



Ultrasint® Series

The Ultrasint® series sets new standards in additive manufacturing and offers you the perfect combination of strength, flexibility and precision. Developed for professional applications, these powders are ideal for demanding industrial and technical projects.

| Product name | Colour | Art. No. | Pack Qty. | DKK | DKK |
|---------------------------|--------|----------|-----------|-----------|-----------|
| Ultrasint® AP26 | white | 26Y4.1 | 20 kg | 6.286,75 | 5.659,90 |
| Ultrasint® PA 11 | white | 26XL.1 | 20 kg | 10.642,50 | 9.578,25 |
| Ultrasint® PA 11 ESD | white | 26XN.1 | 20 kg | 11.771,25 | 10.594,15 |
| Ultrasint® PA 11 Black | black | 26XT.1 | 20 kg | 10.642,50 | 9.578,25 |
| Ultrasint® PA 11 Black CF | black | 26XP.1 | 20 kg | 11.771,25 | 10.594,15 |
| Ultrasint® PA 11 rCF | black | 26XX.1 | 20 kg | 11.771,25 | 10.594,15 |
| Ultrasint® PP 1400 Black | black | 26XY.1 | 20 kg | 7.901,25 | 7.111,15 |
| Ultrasint® TPU 88A | white | 26Y1.1 | 20 kg | 8.304,40 | 7.473,75 |
| Ultrasint® TPU 88A black | black | 26Y3.1 | 20 kg | 8.304,40 | 7.473,75 |
| Ultrasint® TPU 90A LT | white | 26Y2.1 | 20 kg | 8.304,40 | 7.473,75 |

► Many more products for your professional 3D printing are available in our webshop www.carlroth.com

Accessories



Magigoo Pro Glue Stick Set for all filament types

Magigoo Pro adhesives are designed for professional use and work exclusively with technical filaments. These adhesives for professional use ensure that the prints adhere firmly when the print bed is hot and that the part is easy to remove once it has cooled down and the adhesive residue can also be easily removed.

The kit contains:

- **Magigoo Pro PA:** designed for professional use to work exclusively with polyamide filaments. Developed and tested for use with various PA (nylon) and fibre-reinforced filament brands.
- **Magigoo Pro PC:** designed to work exclusively with polycarbonate type filaments and fibre-reinforced variants.
- **Magigoo Pro PP:** developed to work exclusively with polypropylene filaments.
- **Magigoo Original:** designed to work with a variety of filaments, including most PLA, ABS, HIPS, PETG and TPU filament types.

Delivery incl. 1 glue stick á 50 ml and 1 cleaning cloth.

| Product name | Art. No. | Pack Qty. | DKK | DKK |
|---|----------|-----------|--------|--------|
| Magigoo Pro Glue Stick Set for all filament types | 27H1.1 | 1 set | 556,50 | 500,65 |

Solvents for 3D printing

Our selection of cleaning and post-processing solvents gives you the tools to remove support structures, smooth surfaces and refine details.

| Product name | Art. No. | Pack Qty. | DKK | DKK |
|--|----------|-----------|--------|--------|
| Acetic acid ethyl ester | 272T.1 | 1 l | 160,50 | 144,00 |
| | 272T.2 | 5 l | 569,55 | 507,00 |
| Acetone | 272L.1 | 1 l | 112,15 | 100,50 |
| | 272L.2 | 5 l | 523,50 | 470,65 |
| Dibasic ester (DBE) | 272N.1 | 1 l | 160,50 | 144,00 |
| | 272N.2 | 5 l | 637,15 | 573,00 |
| Dipropylene glycol monomethyl ether (DPM) | 272P.1 | 1 l | 201,00 | 180,40 |
| | 272P.2 | 5 l | 798,40 | 718,15 |
| Ethanol | 272X.1 | 1 l | 104,25 | 93,40 |
| | 272X.2 | 5 l | 483,00 | 434,25 |
| 2-Propanol | 272Y.1 | 1 l | 104,25 | 93,40 |
| | 272Y.2 | 5 l | 483,00 | 434,25 |
| Tri(propylene glycol) monomethyl ether (TPM) | 273A.1 | 1 l | 321,75 | 289,15 |
| | 273A.2 | 5 l | 959,65 | 863,25 |



Reagents for the chemical oxygen demand (COD)

Determination of chemical oxygen demand (COD)

COD (chemical oxygen demand) is a measure of all the oxidisable components in water under specific conditions. The water sample is mixed with sulphuric acid and heated together with a defined quantity of potassium dichromate, with silver sulphate added as the catalyst. Chloride must be removed beforehand or masked with mercury sulphate. The remaining potassium dichromate is measured by means of titration, using an ammonium iron(II) sulphate solution and ferroin as the indicator. The equivalent amount of oxygen can then be calculated from the amount of potassium dichromate that is used up.



| Product name | Purity | General application | Pack. | Art. No. | Pack Qty. | DKK | DKK |
|---------------------------------------|--|--|---------|---------------|-----------|----------|-----------------|
| Ammonium iron(II) sulphate solution | 0,12 mol/l – 0,12 N, volumetric standard solution, for COD determination | According to DIN 38409 part H41. | plastic | KK60.1 | 1 l | 466,90 | 373,15 |
| Ferroin indicator solution | for sewage analysis, for COD determination | According to DIN 38409 part H41, H43 and H44. | glass | T131.1 | 100 ml | 337,90 | 270,00 |
| Mercury(II) sulphate solution 80 g/l | 0,02 mol K ₂ Cr ₂ O ₇ /l, volumetric standard solution, potassium dichromate in sulphuric acid, for COD determination | According to DIN 38409 part H41. | glass | X871.1 | 1 l | 1.008,00 | 806,25 |
| | | | | X871.2 | 2.5 l | 2.007,75 | 1.605,75 |
| Potassium dichromate solution | 0,02 mol/l – 0,12 N, volumetric standard solution, for COD determination 1/24 mol/l – 0,25 N, volumetric standard solution, for COD determination | According to DIN 38409 part H41 and H43. | plastic | P720.1 | 1 l | 265,50 | 211,90 |
| | | | | P721.1 | 1 l | 529,50 | 418,15 |
| Potassium hydrogen phthalate solution | 200 mg CSB/l (0,170 g C ₈ H ₅ KO ₄ /l) | For determination of COD; DIN 38409-41:1980, DEV H41; DIN 38409-44:1992, DEV H44 | plastic | 2055.1 | 250 ml | 489,00 | 385,90 |
| | | | | 2055.2 | 500 ml | 604,15 | 482,65 |
| Silver sulphate solution | 10 g/l in sulphuric acid, for COD determination | According to DIN 38409 part H41. | glass | X870.1 | 1 l | 717,00 | 573,00 |
| | | | | X870.2 | 2.5 l | 1.524,00 | 1.218,75 |

For safety information and additional data, see our current catalogue or at www.carlroth.com

COD Standards

NEW

ROTI®Calipure

COD standards are manufactured in accordance with ISO 17034 in an accredited environment and tested in an accredited laboratory in accordance with ISO/IEC 17025. They are traceable to the BAM standard reference materials. Each standard solution is made from potassium hydrogen phthalate and deionised water. Batch-specific certificates of analysis are available online.

| Purity | Art. No. | Pack Qty. | DKK | DKK |
|-------------------------------------|---------------|-----------|----------|-----------------|
| 20 mg O ₂ /l in water | 268C.1 | 500 ml | 1.201,50 | 960,75 |
| 50 mg O ₂ /l in water | 268E.1 | 100 ml | 717,75 | 573,75 |
| | 268E.2 | 500 ml | 1.201,50 | 960,75 |
| 100 mg O ₂ /l in water | 268H.1 | 100 ml | 717,75 | 573,75 |
| | 268H.2 | 500 ml | 1.201,50 | 960,75 |
| 200 mg O ₂ /l in water | 268K.1 | 100 ml | 717,75 | 573,75 |
| | 268K.2 | 500 ml | 1.201,50 | 960,75 |
| 300 mg O ₂ /l in water | 268L.1 | 100 ml | 717,75 | 573,75 |
| | 268L.2 | 500 ml | 1.201,50 | 960,75 |
| 400 mg O ₂ /l in water | 268N.1 | 100 ml | 717,75 | 573,75 |
| | 268N.2 | 500 ml | 1.201,50 | 960,75 |
| 500 mg O ₂ /l in water | 268P.1 | 100 ml | 717,75 | 573,75 |
| | 268P.2 | 500 ml | 1.201,50 | 960,75 |
| 1000 mg O ₂ /l in water | 268T.1 | 100 ml | 717,75 | 573,75 |
| | 268T.2 | 500 ml | 1.201,50 | 960,75 |
| 2000 mg O ₂ /l in water | 268X.1 | 100 ml | 717,75 | 573,75 |
| | 268X.2 | 500 ml | 1.201,50 | 960,75 |
| 5000 mg O ₂ /l in water | 268Y.1 | 100 ml | 879,00 | 702,75 |
| | 268Y.2 | 500 ml | 1.524,00 | 1.218,75 |
| 10000 mg O ₂ /l in water | 269A.1 | 100 ml | 879,00 | 702,75 |
| | 269A.2 | 500 ml | 1.524,00 | 1.218,75 |

For safety information and additional data, see our current catalogue or at www.carlroth.com

Standards for different determinations

Standards for alcohol analysis

NEW

-20%

ROTI®Calipure

The standards for alcohol analysis are manufactured in accordance with ISO 17034 in an accredited environment and tested in an ISO/IEC 17025 accredited laboratory. The products are manufactured from pure ethanol and deionised water. Both the ethanol content and the density of the mixture are listed in the batch-specific certificate of analysis, which is available online.

| Purity | Art. No. | Pack Qty. | DKK | DKK |
|-------------------------------------|---------------|-----------|--------|---------------|
| 5 % (V/V) Ethanol, non denatured | 26E0.1 | 100 ml | 717,75 | 573,75 |
| 9 % (V/V) Ethanol, non denatured | 26E1.1 | 100 ml | 717,75 | 573,75 |
| 11,5 % (V/V) Ethanol, non denatured | 26E2.1 | 100 ml | 717,75 | 573,75 |
| 14 % (V/V) Ethanol, non denatured | 26E3.1 | 100 ml | 717,75 | 573,75 |
| 20 % (V/V) Ethanol, non denatured | 26E4.1 | 100 ml | 717,75 | 573,75 |
| 30 % (V/V) Ethanol, non denatured | 26E5.1 | 100 ml | 717,75 | 573,75 |
| 50 % (V/V) Ethanol, non denatured | 26E6.1 | 100 ml | 717,75 | 573,75 |
| 60 % (V/V) Ethanol, non denatured | 26E7.1 | 100 ml | 717,75 | 573,75 |
| 70 % (V/V) Ethanol, non denatured | 26E8.1 | 100 ml | 717,75 | 573,75 |
| 80 % (V/V) Ethanol, non denatured | 26E9.1 | 100 ml | 717,75 | 573,75 |
| 90 % (V/V) Ethanol, non denatured | 26EA.1 | 100 ml | 717,75 | 573,75 |

For safety information and additional data, see our current catalogue or at www.carlroth.com

TOC and TIC Standards

ROTI®Calipure

The TOC (total organic carbon) and TIC (total inorganic carbon) standards are produced from high-purity starting materials. The sum parameter TOC is used in environmental analysis and is a measure of the content of organic carbon in air, soil or water samples. Inorganic carbon includes dissolved carbonates, hydrogen carbonates, carbonic acid and carbon dioxide and is part of the total carbon in a sample.

These reference standards are manufactured and tested under the conditions of ISO/IEC 17025 and ISO 17034.

The batch-specific certificates of analysis are available online.

- for calibration and validation
- for detection limit and linearity studies
- for the production of working standards



| Product name | Purity | Art. No. | Pack Qty. | DKK | DKK |
|---|---|---------------|-----------|---------------|-----------------|
| TOC Standard | 5 mg/l as potassium hydrogen phthalate | 216T.1 | 100 ml | 773,25 | 618,40 |
| | | 216T.2 | 500 ml | 1.120,90 | 896,25 |
| | 10 mg/l as potassium hydrogen phthalate | 216X.1 | 100 ml | 773,25 | 618,40 |
| | | 216X.2 | 500 ml | 1.120,90 | 896,25 |
| | 50 mg/l as potassium hydrogen phthalate | 216Y.1 | 100 ml | 773,25 | 618,40 |
| | | 216Y.2 | 500 ml | 1.120,90 | 896,25 |
| | 100 mg/l as potassium hydrogen phthalate | 217A.1 | 100 ml | 773,25 | 618,40 |
| | | 217A.2 | 500 ml | 1.120,90 | 896,25 |
| | 200 mg/l as potassium hydrogen phthalate | 217C.1 | 100 ml | 773,25 | 618,40 |
| | | 217C.2 | 500 ml | 1.120,90 | 896,25 |
| | 500 mg/l as potassium hydrogen phthalate | 217E.1 | 100 ml | 773,25 | 618,40 |
| | | 217E.2 | 500 ml | 1.120,90 | 896,25 |
| | 1000 mg/l as potassium hydrogen phthalate | 217H.1 | 100 ml | 773,25 | 618,40 |
| | | 217H.2 | 500 ml | 1.120,90 | 896,25 |
| 2000 mg/l as potassium hydrogen phthalate | 217K.1 | 100 ml | 773,25 | 618,40 | |
| | 217K.2 | 500 ml | 1.120,90 | 896,25 | |
| TIC Standard | 100 mg/l as sodium carbonate | 217L.1 | 100 ml | 1.040,25 | 831,75 |
| | | 217L.2 | 500 ml | 1.604,65 | 1.283,25 |
| | 1000 mg/l as sodium carbonate | 217N.1 | 100 ml | 1.524,00 | 1.218,75 |
| | | 217N.2 | 500 ml | 1.975,50 | 1.580,25 |
| | 10000 mg/l as sodium carbonate | 217P.1 | 100 ml | 1.524,00 | 1.218,75 |
| | | 217P.2 | 500 ml | 1.975,50 | 1.580,25 |

For safety information and additional data, see our current catalogue or at www.carlroth.com



Acids, Bases and Water for Trace Analysis

ROTIPURAN® Supra

ppb Quality

This supra quality line (**ppb-quality**) is perfectly suitable for sample preparation in trace analysis (e.g. via ICP-OES, AAS, IC, etc.). Over 60 elements are specified and their content is below 1 ppb [parts per billion = 10⁻⁹]. Bottled and delivered in special plastic bottles.

The certificates of analysis are available online.



| Product name | Brand/Purity | Thread | Pack. | Art. No. | Pack Qty. | DKK | DKK | |
|-------------------|------------------------|----------------------|-------|----------|-----------|----------|----------|--------|
| Acetic acid | ROTIPURAN®Supra 100 % | GL 45 | HDPE | HN55.1 | 500 ml | 798,40 | 638,25 | |
| | | | | HN55.3 | 1 l | 1.221,75 | 976,90 | |
| | | | | HN55.4 | 2.5 l | 1.552,15 | 1.241,65 | |
| | | 38-430 | | HN55.5 | 4 l | 2.398,90 | 1.918,90 | |
| Ammonia solution | ROTIPURAN®Supra 20 % | 38-430 | HDPE | HN56.1 | 500 ml | 689,65 | 551,25 | |
| | | | | HN56.3 | 4 l | 3.749,25 | 2.999,25 | |
| Hydrochloric acid | ROTIPURAN®Supra 35 % | GL 45 | HDPE | HN53.1 | 500 ml | 749,25 | 598,90 | |
| | | | | HN53.2 | 1 l | 1.149,00 | 919,15 | |
| | | | | HN53.3 | 2.5 l | 1.282,15 | 1.025,25 | |
| | | | | HN53.4 | 4 l | 1.927,15 | 1.541,25 | |
| | | ROTIPURAN®Supra 30 % | GL 45 | HDPE | NE57.2 | 1 l | 979,90 | 783,40 |
| | NE57.3 | | | | 2.5 l | 1.330,50 | 1.064,25 | |
| Hydrofluoric acid | ROTIPURAN®Supra 48 % | 38-430 | LDPE | HN54.1 | 500 ml | 1.411,15 | 1.128,75 | |
| Nitric acid | ROTIPURAN®Supra 69 % | GL 45 | HDPE | HN50.1 | 500 ml | 762,00 | 609,40 | |
| | | | | HN50.2 | 1 l | 1.169,25 | 935,25 | |
| | ROTIPURAN®Supra 65 % | GL 45 | HDPE | 1YLN.1 | 1 l | 1.040,25 | 831,75 | |
| | | | | 1YLN.2 | 2.5 l | 1.282,15 | 1.025,25 | |
| Perchloric acid | ROTIPURAN®Supra 70 % | GL 45 | HDPE | HN51.1 | 500 ml | 1.653,00 | 1.322,25 | |
| | | | | HN51.3 | 1 l | 2.673,00 | 2.137,90 | |
| | | | | HN51.4 | 2.5 l | 3.991,15 | 3.192,75 | |
| Sulphuric acid | ROTIPURAN®Supra 95 % | GL 45 | HDPE | HN52.1 | 500 ml | 778,15 | 622,15 | |
| | | | | HN52.2 | 1 l | 1.249,90 | 999,75 | |
| | | | | HN52.5 | 2.5 l | 1.694,65 | 1.283,25 | |
| Water | ROTIPURAN®Supra | GL 45 | HDPE | 21A2.1 | 1 l | 523,50 | 418,15 | |
| | | | | 21A2.2 | 2.5 l | 879,00 | 702,75 | |
| | ROTIPURAN® Low organic | 38-430 | glass | HN57.1 | 1 l | 676,50 | 540,75 | |
| | | | | HN57.2 | 4 l | 1.108,90 | 886,90 | |

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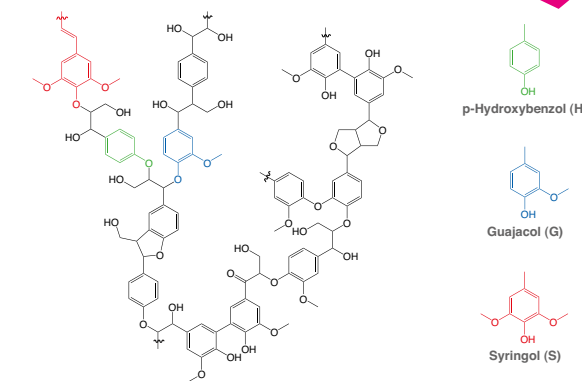
Biopolymers

-20%

Lignins

NEW

Due to their phenolic structure, lignins are valuable raw materials for aromatic compounds, which are used in the polymer synthesis of elastomers and thermoplastics, such as TPE and TPU, after digestion. These in turn are used in other applications such as 3D printing or injection moulding processes. All in all, lignin is a very versatile and renewable raw material that has great potential in the group of future new materials.



Hydrolytic lignin, softwood

>75 %

from softwood, broken down from lignocellulose using thermomechanical processes or acid treatment

WGK 1

| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|-------|----------|--------|
| 25XP.1 | 100 g | glass | 281,65 | 224,65 |
| 25XP.2 | 500 g | glass | 1.125,00 | 899,65 |

Soda lignin

>90 %

from annual plants/straw, isolated using the soda process (sulphur-free)

WGK 1

| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|-------|----------|--------|
| 25XN.1 | 100 g | glass | 281,65 | 224,65 |
| 25XN.2 | 500 g | glass | 1.125,00 | 899,65 |

Hydrolytic lignin, hardwood

>75 %

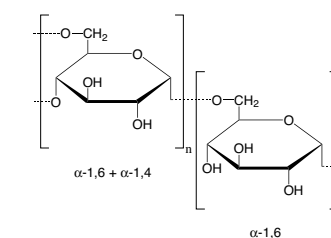
from hardwood, broken down from lignocellulose using thermomechanical processes or acid treatment

WGK 1

| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|-------|----------|--------|
| 25XT.1 | 100 g | glass | 281,65 | 224,65 |
| 25XT.2 | 500 g | glass | 1.125,00 | 899,65 |

Dextrans

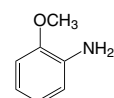
Dextrans are highly branched macromolecular biopolysaccharides. They consist exclusively of glucose monomers and belong to the homoglycans. Natural dextrans have molecular masses between 10 and 50000 kg/mol. Dextrans are soluble in water, whereby the solubility depends on the molecular mass. Thanks to their special properties, dextrans play an important role in many areas. For e.g. dextrans are used in chromatography, both as a carrier in affinity chromatography and (in modified form) for Gel Permeation Chromatography (GPC). Furthermore, they are used as a measurement standard in membrane technology and in adhesives as well as coatings, or as an auxiliary material for paper and textile manufacture.



| Product name | Purity | Art. No. | Pack Qty. | DKK | DKK |
|--------------|------------------|----------|-----------|----------|----------|
| Dextran 2.5 | for biochemistry | 8718.1 | 10 g | 165,40 | 132,00 |
| | | 8718.2 | 100 g | 818,65 | 654,40 |
| | | 8718.3 | 500 g | 3.426,75 | 2.741,25 |
| Dextran 10 | for biochemistry | 7616.1 | 10 g | 165,40 | 132,00 |
| | | 7616.2 | 100 g | 818,65 | 654,40 |
| | | 7616.3 | 500 g | 3.426,75 | 2.741,25 |
| Dextran 20 | for biochemistry | 7617.1 | 10 g | 181,50 | 145,15 |
| | | 7617.2 | 100 g | 1.040,25 | 831,75 |
| | | 7617.3 | 500 g | 4.345,90 | 3.476,25 |
| Dextran 40 | for biochemistry | 7626.1 | 10 g | 117,00 | 93,40 |
| | | 7626.2 | 100 g | 367,15 | 293,25 |
| | | 7626.3 | 250 g | 754,15 | 603,00 |
| Dextran 60 | for biochemistry | 2247.1 | 10 g | 141,40 | 112,90 |
| | | 2247.2 | 100 g | 529,50 | 418,15 |
| | | 2247.3 | 250 g | 959,65 | 767,25 |
| Dextran 70 | extra pure | 9228.3 | 10 g | 160,50 | 127,90 |
| | | 9228.1 | 100 g | 717,00 | 573,00 |
| | | 9228.4 | 250 g | 1.399,50 | 1.064,25 |
| Dextran 100 | for biochemistry | 9228.2 | 500 g | 2.491,50 | 1.992,75 |
| | | 7618.1 | 10 g | 165,40 | 132,00 |
| | | 7618.2 | 100 g | 818,65 | 654,40 |
| Dextran 150 | for biochemistry | 7618.3 | 500 g | 3.426,75 | 2.741,25 |
| | | 7619.1 | 10 g | 165,40 | 132,00 |
| | | 7619.2 | 100 g | 818,65 | 654,40 |
| Dextran 250 | for biochemistry | 7619.3 | 500 g | 3.426,75 | 2.741,25 |
| | | 9233.3 | 10 g | 346,15 | 276,40 |
| | | 9233.1 | 100 g | 1.794,00 | 1.435,15 |
| Dextran 500 | for biochemistry | 9233.2 | 500 g | 7.458,00 | 5.966,25 |
| | | 9219.3 | 10 g | 165,40 | 132,00 |
| | | 9219.1 | 100 g | 818,65 | 654,40 |
| 9219.2 | 500 g | 3.426,75 | 2.741,25 | | |

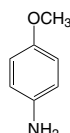
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Building Blocks

-20%**o-Anisidine**
≥98 %, for synthesis

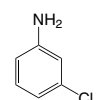
Danger
H301+H311+H331-H341-H350

| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|-------|----------|---------------|
| 1E8E.1 | 250 ml | glass | 205,90 | 164,25 |
| 1E8E.2 | 1 l | glass | 569,65 | 450,40 |
| 1E8E.3 | 2.5 l | glass | 1.249,90 | 999,75 |

**p-Anisidine**
≥98 %, for synthesis

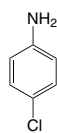
Danger
H300+H310+H330-H373-H400

| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|---------|----------|-----------------|
| 1E96.1 | 250 g | glass | 239,25 | 186,00 |
| 1E96.2 | 1 kg | plastic | 584,65 | 467,65 |
| 1E96.3 | 2.5 kg | plastic | 1.282,15 | 1.025,25 |

**3-Chloroaniline**
≥98 %, for synthesis

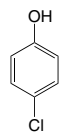
Danger
H301+H311+H331-H373-H410

| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|-------|----------|---------------|
| 1C3E.1 | 100 ml | glass | 189,75 | 151,50 |
| 1C3E.2 | 250 ml | glass | 351,00 | 280,50 |
| 1C3E.3 | 1 l | glass | 1.040,25 | 831,75 |

**4-Chloroaniline**
≥98 %, for synthesis

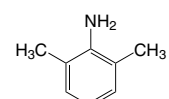
Danger
H301+H311+H331-H317-H350-H410

| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|-------|--------|---------------|
| 1C3A.1 | 250 g | glass | 298,15 | 190,15 |
| 1C3A.2 | 1 kg | glass | 681,40 | 544,90 |

**4-Chlorophenol**
≥98 %, for synthesis

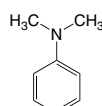
Warning H302+H312+H332-H411

| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|-------|----------|-----------------|
| 1C33.1 | 250 g | glass | 229,90 | 183,75 |
| 1C33.2 | 1 kg | glass | 689,65 | 551,25 |
| 1C33.3 | 2.5 kg | glass | 1.515,75 | 1.212,40 |

**2,6-Dimethylaniline**
≥98 %, for synthesis

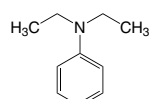
Warning H302+H312+H332-H315-H319-H335-H351-H411

| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|-------|----------|-----------------|
| 1CAA.1 | 100 ml | glass | 201,00 | 160,15 |
| 1CAA.2 | 500 ml | glass | 799,15 | 586,15 |
| 1CAA.3 | 1 l | glass | 1.390,50 | 1.064,25 |

**N,N-Dimethylaniline**
≥99 %, for synthesis

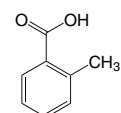
Danger
H301+H311+H331-H351-H411

| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|-------|--------|---------------|
| 1CA6.1 | 250 ml | glass | 157,50 | 125,65 |
| 1CA6.2 | 1 l | glass | 407,25 | 325,50 |
| 1CA6.3 | 2.5 l | glass | 826,50 | 661,15 |

**N,N-Diethylaniline**
≥98,5 %, for synthesis

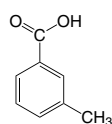
Danger
H301+H311+H331-H315-H373-H411

| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|-------|----------|---------------|
| 1CA2.1 | 250 ml | glass | 173,65 | 138,40 |
| 1CA2.2 | 1 l | glass | 539,65 | 431,25 |
| 1CA2.3 | 2.5 l | glass | 1.120,90 | 896,25 |

**o-Toluic acid**
≥98 %, for synthesis

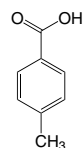
Warning H315-H319-H335

| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|---------|----------|-----------------|
| 1AHA.1 | 250 g | plastic | 249,40 | 199,15 |
| 1AHA.2 | 1 kg | plastic | 797,65 | 637,50 |
| 1AHA.3 | 2.5 kg | plastic | 1.685,25 | 1.347,75 |

**m-Toluic acid**
≥98 %, for synthesis

Danger H318

| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|---------|----------|-----------------|
| 1AH9.1 | 250 g | plastic | 265,50 | 211,90 |
| 1AH9.2 | 1 kg | plastic | 826,50 | 661,15 |
| 1AH9.3 | 2.5 kg | plastic | 1.814,25 | 1.451,25 |

**p-Toluic acid**
≥98 %, for synthesis

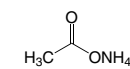
Warning H319

| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|---------|----------|-----------------|
| 1AN4.1 | 250 g | plastic | 249,40 | 199,15 |
| 1AN4.2 | 1 kg | plastic | 797,65 | 637,50 |
| 1AN4.3 | 2.5 kg | plastic | 1.685,25 | 1.347,75 |

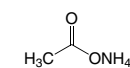


Salts for LC-MS and HPLC

Salts for LC-MS

NEW**Ammonium acetate**
≥99 %, Ultra LC-MS

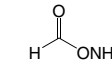
| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|---------|----------|-----------------|
| 279H.1 | 10 g | plastic | 492,40 | 321,40 |
| 279H.2 | 50 g | plastic | 1.362,75 | 1.089,75 |
| 279H.3 | 100 g | plastic | 2.249,65 | 1.799,25 |

Ammonium acetate
≥98 %, LC-MS Grade

| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|---------|----------|-----------------|
| 1NPA.1 | 50 g | plastic | 1.008,00 | 806,25 |
| 1NPA.2 | 100 g | plastic | 1.469,65 | 1.170,40 |
| 1NPA.3 | 250 g | plastic | 3.104,25 | 2.483,25 |

Ammonium formate
≥98 %, LC-MS Grade

Warning H319



| Art. No. | Pack Qty. | Pack. | DKK | DKK |
|----------|-----------|---------|----------|-----------------|
| 1NTK.1 | 50 g | plastic | 1.040,25 | 831,75 |
| 1NTK.2 | 100 g | plastic | 1.572,40 | 1.257,75 |
| 1NTK.3 | 250 g | plastic | 3.265,50 | 2.612,25 |

-20%

Salts for HPLC

NEW

Our salts in HPLC grade are excellent for use as buffers in HPLC analysis, with absorption tested at various wavelengths for all salts. Buffer solutions prepared from these are typically utilized in reverse-phase high-performance liquid chromatography (RP-HPLC) when the sample forms acidic (oxonium ions (H₃O⁺)) or basic (hydroxide ions (OH⁻)) groups. Buffers mitigate the impact of oxonium and hydroxide ions, thus reducing pH fluctuations.

| Product name | Purity | Art. No. | Pack Qty. | DKK | DKK |
|--|------------------------------|----------|-----------|--------|---------------|
| Ammonium acetate | ≥99 %, HPLC | 1P12.1 | 50 g | 249,40 | 199,15 |
| | | 1P12.2 | 250 g | 499,15 | 399,00 |
| Ammonium carbonate | ≥30 % NH ₃ , HPLC | 255Y.1 | 50 g | 201,00 | 160,15 |
| | | 255Y.2 | 250 g | 489,00 | 385,90 |
| Ammonium dihydrogen phosphate | ≥99 %, HPLC | 256T.1 | 50 g | 281,65 | 224,65 |
| | | 256T.2 | 250 g | 684,75 | 547,15 |
| Potassium dihydrogen phosphate | ≥99,5 %, HPLC | 256X.1 | 50 g | 279,40 | 218,25 |
| | | 256X.2 | 250 g | 676,50 | 540,75 |
| di-Potassium hydrogen phosphate | ≥99 %, HPLC, anhydrous | 2573.1 | 50 g | 281,65 | 224,65 |
| | | 2573.2 | 250 g | 684,75 | 547,15 |
| Potassium hydrogen phthalate | ≥99,5 %, HPLC | 256Y.1 | 50 g | 281,65 | 224,65 |
| | | 256Y.2 | 250 g | 684,75 | 547,15 |
| Sodium acetate | ≥99 %, HPLC, anhydrous | 2577.1 | 50 g | 281,65 | 224,65 |
| | | 2577.2 | 250 g | 684,75 | 547,15 |
| Sodium acetate trihydrate | ≥99,5 %, HPLC | 269C.1 | 50 g | 201,00 | 160,15 |
| | | 269C.2 | 250 g | 489,00 | 385,90 |
| Sodium dihydrogen phosphate | ≥99 %, HPLC | 27EX.1 | 50 g | 201,00 | 160,15 |
| | | 27EX.2 | 250 g | 637,15 | 509,25 |
| Sodium hydrogen carbonate | ≥99 %, HPLC | 27KH.1 | 50 g | 160,50 | 127,90 |
| | | 27KH.2 | 250 g | 489,00 | 385,90 |
| di-Sodium hydrogen phosphate dihydrate | ≥99,5 %, HPLC | 27KE.1 | 50 g | 225,00 | 179,65 |
| | | 27KE.2 | 250 g | 529,50 | 418,15 |

For safety information and additional data, see our current catalogue or at www.carlroth.com



Quechers **-20%**

QuEChERS Products

For pesticide residue analysis in food

The **QuEChERS** (Quick, Easy, Cheap, Efficient, Rugged, Safe; „Catchers“) method has achieved a leading position for the determination of pesticide residues in food by GC-MS or LC-MS within a few years of its development.

This method was developed using an extraction method for pesticides in fruit and vegetables coupled with a clean-up method that removes sugars, lipids, organic acids, sterols, proteins, pigments and excess water. This technique offers a user-friendly alternative to conventional liquid-liquid and solid phase extractions.

The process involves two simple steps. First, an **extraction** of the homogenised samples takes place, which are split with an organic solvent and a salt solution. The supernatant is then further extracted and purified using **dispersive solid phase extraction (dSPE)**.

This allows rapid and cost-effective processing of heavily matrix-loaded samples. In order to optimise the extraction of pH-dependent compounds, to minimise the decomposition of sensitive substances and to cover a broad matrix spectrum, various modifications of the QuEChERS method have been developed.

- **Unbuffered original method**
- **European method EN 15662**
- **AOAC Official 2007.01 Method**

In addition to the required sorbent silica gel 60 Diamino, a number of individually weighed and premixed buffers and extraction mixtures are offered that are specially adapted to different sample matrices. Carl ROTH offers QuEChERS extraction and dSPE products in a variety of standard sizes and formats, making the QuEChERS method even easier to use.



QuEChERS Extraction mixes ROTI®XBond

| Product name | Method | Designation | Composition | Version | Art. No. | Pack Qty. | DKK | DKK | | | |
|---|--------------|-------------|--|---|------------|-----------------------|-------------|--------|------------|----------|--------|
| QuEChERS Extraction Mix ROTI®XBond EN 15662 Citrat mix | EN 15662 | Citrat mix | 4 g MgSO ₄ | 15 ml tubes | 24L6.1 | 50 unit(s) | 644,25 | 514,90 | | | |
| | | | 1 g NaCl | 50 ml tubes | 24L7.1 | 50 unit(s) | 1.047,40 | 837,40 | | | |
| | | | 0.5 g C ₁₂ H ₁₀ Na ₂ O ₇ · 1.5 H ₂ O | Pouches and empty 50 ml tubes | 24L8.1 | 50 unit(s) | 1.023,40 | 818,25 | | | |
| | | | 1 g C ₁₂ H ₁₀ Na ₂ O ₇ · 2 H ₂ O | Pouches | 24L9.1 | 50 unit(s) | 418,50 | 334,50 | | | |
| QuEChERS Extraction Mix ROTI®XBond AOAC 2007.01 Acetate mix | AOAC 2007.01 | Acetate mix | 615.5 g MgSO ₄ | Premixed bottle (equivalent to ca. 150 extractions) | 24LA.1 | 1 kg | 986,25 | 308,65 | | | |
| | | | 153.8 g NaCl | 15 ml tubes | 24LC.1 | 50 unit(s) | 644,25 | 514,90 | | | |
| | | | 76.9 g C ₁₂ H ₁₀ Na ₂ O ₇ · 1.5 H ₂ O | 50 ml tubes | 24LE.1 | 50 unit(s) | 1.023,40 | 818,25 | | | |
| | | | 153.8 g C ₁₂ H ₁₀ Na ₂ O ₇ · 2 H ₂ O | Pouches and empty 50 ml tubes | 24LH.1 | 50 unit(s) | 999,00 | 798,75 | | | |
| QuEChERS Extraction Mix ROTI®XBond AOAC 2007.01 Acetate mix | AOAC 2007.01 | Acetate mix | 800 g MgSO ₄ | Pouches | 24LK.1 | 50 unit(s) | 418,50 | 328,15 | | | |
| | | | 200 g C ₁₂ H ₁₀ Na ₂ O ₇ | Premixed bottle (equivalent to ca. 130 extractions) | 24LL.1 | 1 kg | 483,00 | 385,90 | | | |
| | | | QuEChERS Extraction Mix ROTI®XBond Original unbuffered | Original | unbuffered | 4 g MgSO ₄ | 15 ml tubes | 24LN.1 | 50 unit(s) | 644,25 | 514,90 |
| | | | | | | 1 g NaCl | 50 ml tubes | 24LP.1 | 50 unit(s) | 1.023,40 | 818,25 |
| QuEChERS Extraction Mix ROTI®XBond Original unbuffered | Original | unbuffered | 800 g MgSO ₄ | Pouches and empty 50 ml tubes | 24LT.1 | 50 unit(s) | 999,00 | 798,75 | | | |
| | | | | Pouches | 24LX.1 | 50 unit(s) | 418,50 | 328,15 | | | |
| QuEChERS Extraction Mix ROTI®XBond Original unbuffered | Original | unbuffered | 800 g MgSO ₄ | Premixed bottle (equivalent to ca. 200 extractions) | 24LY.1 | 1 kg | 483,00 | 385,90 | | | |
| | | | | 200 g NaCl | | | | | | | |

For safety information and additional data, see our current catalogue or at www.carlroth.com

Ceramic homogenizers ROTI®XBond for QuEChERS kits

Carl ROTH. Material: ceramic.

Use ROTI®XBond ceramic homogenisers to speed up the homogenisation process and increase recovery and reproducibility during QuEChERS sample preparation. ROTI®XBond homogenisers can be used with all QuEChERS extraction and purification kits.

Properties:

- Inert ceramic material
- Reduction of the sample extraction time from 60 seconds to 20 seconds
- Salt agglomerates are broken up
- Unique angled cut increases sample consistency
- Improved recovery rate and reproducibility of sample extraction



| Designation | Art. No. | Pack Qty. | DKK | DKK |
|---|----------|-------------|--------|--------|
| Ceramic homogenizers ROTI®XBond for 2 ml tubes | 245N.1 | 100 unit(s) | 354,00 | 282,75 |
| Ceramic homogenizers ROTI®XBond for 15 ml tubes | 245P.1 | 100 unit(s) | 362,25 | 289,15 |
| Ceramic homogenizers ROTI®XBond for 50 ml tubes | 245T.1 | 100 unit(s) | 370,15 | 295,90 |

Quechers **-20%**

QuEChERS Clean-up mixes ROTI®XBond

| Method | Designation | Recommended application(s) | Composition | Version | Art. No. | Pack Qty. | DKK | DKK |
|--------------|--|---|---------------------------|-------------|----------|-------------|----------|----------|
| EN 15662 | Diamino mix | General fruits and vegetables, Diamino clean-up, Samples with low fat content (e.g. apples, strawberries) | 150 mg Diamino (PSA) | 15 ml tubes | 24N1.1 | 50 unit(s) | 724,90 | 579,40 |
| | | | 900 mg MgSO ₄ | 2 ml tubes | 24N0.1 | 100 unit(s) | 765,40 | 611,65 |
| | | | 25 mg Diamino (PSA) | Pouches | 24N2.1 | 100 unit(s) | 660,40 | 528,00 |
| EN 15662 | Diamino/Carbon Mix | General fruits and vegetables with pigments, Diamino/ carbon clean-up, Samples with moderate content of chlorophyll and carotenoids (e.g. carrots, lettuce). | 150 mg Diamino (PSA) | 15 ml tubes | 24N4.1 | 50 unit(s) | 829,90 | 663,40 |
| | | | 15 mg Carbon (GCB) | 2 ml tubes | 24N3.1 | 100 unit(s) | 797,65 | 637,50 |
| | | | 900 mg MgSO ₄ | Pouches | 24N5.1 | 100 unit(s) | 1.087,90 | 869,65 |
| EN 15662 | Diamino/Carbon mix (higher carbon content) | General fruits and vegetables with highly pigments, Diamino/carbon clean-up (higher carbon content), Samples with high content of chlorophyll and carotenoids (e.g. bell pepper, spinach). | 150 mg Diamino (PSA) | 15 ml tubes | 24N7.1 | 50 unit(s) | 1.039,50 | 831,00 |
| | | | 45 mg Carbon (GCB) | 2 ml tubes | 24N6.1 | 100 unit(s) | 862,15 | 689,25 |
| | | | 900 mg MgSO ₄ | Pouches | 24N8.1 | 100 unit(s) | 1.507,15 | 1.205,25 |
| EN 15662 | Diamino/C ₁₈ ec mix | General fruits and vegetables with fats and waxes, Diamino/C ₁₈ ec clean-up, Samples with high fat content (e.g. avocado) | 150 mg Diamino (PSA) | 15 ml tubes | 24NA.1 | 50 unit(s) | 837,75 | 669,75 |
| | | | 150 mg C ₁₈ ec | 2 ml tubes | 24N9.1 | 100 unit(s) | 797,65 | 637,50 |
| | | | 900 mg MgSO ₄ | Pouches | 24NC.1 | 100 unit(s) | 878,25 | 702,00 |
| AOAC 2007.01 | Diamino/Carbon mix | General fruits and vegetables with pigments, Diamino-carbon clean-up, Food samples (coffee, carrot, lettuce, tea), Samples with moderate content of chlorophyll and carotenoids (pigments), Forensic applications and drug samples or medicines, Pesticides | 400 mg Diamino (PSA) | 15 ml tubes | 24NH.1 | 50 unit(s) | 3.079,15 | 2.463,00 |
| | | | 400 mg Carbon (GCB) | 2 ml tubes | 24NE.1 | 100 unit(s) | 1.466,65 | 1.173,00 |
| | | | 1200 mg MgSO ₄ | Pouches | 24NK.1 | 100 unit(s) | 5.659,15 | 4.527,00 |
| AOAC 2007.01 | Diamino/C ₁₈ ec mix | General fruits and vegetables with fats and waxes, Diamino-C18ec clean-up, Forensic applications and drug samples or medicines, Samples with higher fat content, Food samples (avocado, baby food, cereals, chicken, dairy products, nuts, beef, pork, oils), Pesticides (soil) | 400 mg Diamino (PSA) | 15 ml tubes | 24NN.1 | 50 unit(s) | 1.233,00 | 985,90 |
| | | | 400 mg C ₁₈ ec | 2 ml tubes | 24NL.1 | 100 unit(s) | 870,00 | 695,65 |
| | | | 1200 mg MgSO ₄ | Pouches | 24NP.1 | 100 unit(s) | 1.894,15 | 1.514,65 |
| AOAC 2007.01 | Diamino mix | General fruits and vegetables, Diamino clean-up, Samples with low fat content, Food samples (pineapple, apricot, pear, broccoli, strawberry, asparagus, apples), Forensic applications and drug samples or medicines, Pesticides | 400 mg Diamino (PSA) | 15 ml tubes | 24NX.1 | 50 unit(s) | 918,40 | 734,25 |
| | | | 1200 mg MgSO ₄ | 2 ml tubes | 24NT.1 | 100 unit(s) | 797,65 | 637,50 |
| | | | 50 mg Diamino (PSA) | Pouches | 24NY.1 | 100 unit(s) | 1.120,15 | 895,50 |
| AOAC 2007.01 | Diamino/Carbon/C ₁₈ ec mix | General fruits and vegetables with pigments and fats, Diamino/Carbon/C ₁₈ ec clean-up, Forensic and drug samples, Food samples, Pesticides | 400 mg Diamino (PSA) | 15 ml tubes | 24P1.1 | 50 unit(s) | 3.288,75 | 2.630,65 |
| | | | 400 mg Carbon (GCB) | 2 ml tubes | 24P0.1 | 100 unit(s) | 1.555,50 | 1.243,90 |
| | | | 400 mg C ₁₈ ec | Pouches | 24P2.1 | 100 unit(s) | 6.078,40 | 4.862,25 |
| AOAC 2007.01 | Diamino/Carbon/C ₁₈ ec mix | All food types, Diamino/Carbon/C ₁₈ ec clean-up, Cannabis, Pesticides, Samples with higher fat content and moderate content of chlorophyll and carotenoids (pigments) | 400 mg Diamino (PSA) | 15 ml tubes | 24P7.1 | 50 unit(s) | 1.523,25 | 1.218,00 |
| | | | 400 mg Carbon (GCB) | 2 ml tubes | 24P6.1 | 100 unit(s) | 975,00 | 779,65 |
| | | | 400 mg C ₁₈ ec | Pouches | 24P8.1 | 100 unit(s) | 2.482,50 | 1.985,65 |
| AOAC 2007.01 | C ₁₈ ec mix | Other food methods | 150 mg C ₁₈ ec | 15 ml tubes | 24P4.1 | 50 unit(s) | 724,90 | 579,40 |
| | | | 900 mg MgSO ₄ | 2 ml tubes | 24P3.1 | 100 unit(s) | 757,15 | 605,25 |
| | | | 25 mg C ₁₈ ec | Pouches | 24P5.1 | 100 unit(s) | 749,25 | 598,90 |

For safety information and additional data, see our current catalogue or at www.carlroth.com



Quechers **-20%**

Commonly used extraction solvents:

TIP

- Acetonitrile: easy to salt out; compatible with LC/MS; difficult to concentrate
- Acetone: not easy to salt out; easy to volatilize, concentrate
- Ethyl acetate: immiscible with water; less extraction of impurities; more lipids are extracted

ROTISOLV® Pestilyse® Solvents

for residue and environmental analysis

Field of application: 'Pesticide Residue Analysis' (via ECD, PND detection) in sectors environment, foodstuff, water, etc. ROTISOLV® Pestilyse® solvents are ideal as extraction agents and for sample preparation.

Properties:

- Highest purity
- Quality control via ECD and PND
- Non-volatile parts: 5 ppm or less
- Specially purified for application in pesticide residue analysis



| Product name | Brand | Purity | Art. No. | Pack Qty. | DKK | DKK |
|-----------------------------|----------------------|----------------------------------|----------|-----------|----------|--------|
| Acetic acid ethyl ester | ROTISOLV® Pestilyse® | ≥99,8 % | T164.2 | 1 l | 297,75 | 237,75 |
| | | | T164.1 | 2.5 l | 649,15 | 519,00 |
| | | | T164.3 | 4 l | 907,15 | 725,65 |
| | | | T161.2 | 1 l | 286,50 | 228,75 |
| Acetone | ROTISOLV® Pestilyse® | ≥99,8 % | T161.1 | 2.5 l | 555,75 | 444,00 |
| | | | T161.3 | 4 l | 770,25 | 615,75 |
| | | | T168.1 | 2.5 l | 794,25 | 635,25 |
| Acetonitrile | ROTISOLV® Pestilyse® | ≥99,9 % | T168.3 | 4 l | 1.189,50 | 951,40 |
| | | | T163.2 | 1 l | 362,25 | 289,15 |
| | | | T163.1 | 2.5 l | 797,65 | 637,50 |
| Cyclohexane | ROTISOLV® Pestilyse® | ≥99,5 % | T163.3 | 4 l | 1.060,50 | 847,90 |
| | | | T162.2 | 1 l | 351,00 | 280,50 |
| | | | T162.1 | 2.5 l | 708,75 | 566,65 |
| Dichloromethane | ROTISOLV® Pestilyse® | ≥99,8 % | T162.3 | 4 l | 947,65 | 757,90 |
| | | | T900.1 | 2.5 l | 846,75 | 677,25 |
| | | | X878.1 | 2.5 l | 1.008,00 | 806,25 |
| Diethyl ether | ROTISOLV® Pestilyse® | ≥99,8 %, stabilised with ethanol | T861.2 | 1 l | 499,15 | 399,00 |
| | | | T861.1 | 2.5 l | 1.189,50 | 951,40 |
| | | | T165.2 | 1 l | 434,65 | 347,25 |
| | | | T165.1 | 2.5 l | 987,75 | 790,15 |
| <i>n</i> -Heptane | ROTISOLV® Pestilyse® | ≥99 % | T165.3 | 4 l | 1.169,25 | 935,25 |
| | | | T904.1 | 2.5 l | 979,90 | 783,40 |
| | | | T167.1 | 2.5 l | 1.100,65 | 880,15 |
| <i>n</i> -Hexane | ROTISOLV® Pestilyse® | ≥99 % | T169.2 | 1 l | 241,15 | 192,40 |
| | | | T169.1 | 2.5 l | 334,90 | 267,40 |
| | | | T169.3 | 4 l | 499,15 | 399,00 |
| <i>n</i> -Pentane | ROTISOLV® Pestilyse® | ≥99 % | T903.2 | 1 l | 515,25 | 411,75 |
| | | | T903.1 | 2.5 l | 1.040,25 | 831,75 |
| | | | T170.2 | 1 l | 358,90 | 286,90 |
| Petroleum ether 40–60 °C | ROTISOLV® Pestilyse® | | T170.1 | 2.5 l | 708,75 | 566,65 |
| | | | T170.3 | 4 l | 1.008,00 | 806,25 |
| | | | T902.1 | 2.5 l | 560,65 | 448,15 |
| 2-Propanol | ROTISOLV® Pestilyse® | ≥99,8 % | T166.2 | 1 l | 415,50 | 331,90 |
| | | | T166.1 | 2.5 l | 609,00 | 486,75 |
| Toluene | ROTISOLV® Pestilyse® | ≥99,8 % | T166.3 | 4 l | 907,15 | 725,65 |
| | | | T901.1 | 2.5 l | 778,15 | 622,15 |
| | | | T905.1 | 2.5 l | 504,00 | 403,15 |
| Trichloromethane/Chloroform | ROTISOLV® Pestilyse® | ≥99,8 %, stabilised with ethanol | T901.1 | 2.5 l | 778,15 | 622,15 |
| Water | ROTISOLV® Pestilyse® | | T905.1 | 2.5 l | 504,00 | 403,15 |

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