



Chemicals TOP Offers



SOLVAGREEN® – Our Brand for Alternative Solvents

-20 %

Green Solvents

The sustainable solvents listed below – Green Solvents – serve as substitutes for environmentally hazardous and harmful reagents and help minimize risk. Sustainability is also achieved through the use of renewable resources or environmentally compatible manufacturing and recycling processes.

Succinic acid ≥99 %, for synthesis, made from renewable raw material

For the production of bio-based polyurethanes,
coatings, surface treatment etc.

WGK 1

 **Danger H318**

Art. No.	Pack Qty.	Pack.	DKK	DKK
1N1L.1	250 g	plastic	176,65	141,00
1N1L.2	1 kg	plastic	399,40	319,15
1N1L.3	2.5 kg	plastic	879,00	702,75
1N1L.4	5 kg	plastic	1572,40	1257,75

Glycerol SOLVAGREEN® ≥98 %, Ph. Eur., palm-free WGK 1

Art. No.	Pack Qty.	Pack.	DKK	DKK
1YP1.1	500 ml	plastic	281,65	224,65
1YP1.2	1 l	plastic	483,00	385,90
1YP1.3	2.5 l	plastic	798,40	638,25
1YP1.4	5 l	plastic	1282,15	1025,25
1YP1.5	10 l	plastic	2410,90	1928,25
1YP1.6	25 l	plastic	4587,75	3669,75



Dimethyl sulphoxide (DMSO) SOLVAGREEN® ≥99,0 %, for synthesis, recycled material

WGK 1

Art. No.	Pack Qty.	Pack.	DKK	DKK
1P1T.1	1 l	glass	402,40	321,40
1P1T.2	2.5 l	glass	798,40	638,25
1P1T.3	5 l	plastic	1524,00	1218,75

Glycerol SOLVAGREEN® ~86 %, for synthesis, palm-free WGK 1

Art. No.	Pack Qty.	Pack.	DKK	DKK
1T4E.1	1 l	plastic	314,65	251,25
1T4E.2	2.5 l	plastic	556,50	444,75
1T4E.3	5 l	plastic	1040,25	831,75
1T4E.4	10 l	plastic	1846,50	1476,75
1T4E.5	25 l	plastic	3700,90	2960,25

► You can find more Green Chemicals in our [webshop](#) and in the brochure
Green Chemistry - alternative solvents and products.



Solvents for Synthesis

Acetic acid ethyl ester

≥99,5 %, for synthesis

UN no. 1173 · ADR 3 II · WGK 1

  **Danger** H225-H319-H336-EUH066

Art. No.	Pack Qty.	Pack.	DKK	DKK
7338.1	1 l	glass	241,15	204,75
7338.3	2.5 l	glass	415,50	352,50
7338.5	5 l	plastic	604,75	581,65
7338.2	10 l	tinplate	1120,90	952,50
7338.4	25 l	tinplate	2249,65	1911,75

Acetic acid methyl ester

≥99 %, for synthesis

UN no. 1231 · ADR 3 II · WGK 1

  **Danger** H225-H319-H336-EUH066

Art. No.	Pack Qty.	Pack.	DKK	DKK
3730.3	500 ml	glass	168,75	142,90
3730.1	1 l	glass	313,90	266,25
3730.2	2.5 l	glass	588,00	499,50
3730.4	5 l	aluminium	879,00	747,00

Acetone

≥99,5 %, for synthesis

UN no. 1090 · ADR 3 II · WGK 1

  **Danger** H225-H319-H336-EUH066

Art. No.	Pack Qty.	Pack.	DKK	DKK
5025.1	1 l	glass	176,65	150,00
5025.2	2.5 l	glass	391,15	331,90
5025.5	2.5 l	plastic	375,00	318,40
5025.6	5 l	plastic	531,40	451,50
5025.3	10 l	tinplate	927,40	787,90
5025.4	25 l	tinplate	1915,15	1627,15

Cyclohexane

≥99,5 %, for synthesis

UN no. 1145 · ADR 3 II · WGK 2

    **Danger**
H225-H304-H315-H336-H410

Art. No.	Pack Qty.	Pack.	DKK	DKK
6570.1	1 l	glass	225,00	190,90
6570.3	2.5 l	glass	337,90	286,90
6570.5	5 l	aluminium	571,90	485,65
6570.2	10 l	tinplate	959,65	815,25
6570.4	25 l	tinplate	1927,15	1637,65

Dichloromethane

≥99,5 %, for synthesis

UN no. 1593 · ADR 6.1 III · WGK 2

  **Warning** H315-H319-H336-H351

Art. No.	Pack Qty.	Pack.	DKK	DKK
8424.4	100 ml	glass	104,25	88,15
8424.1	1 l	glass	233,25	197,65
8424.2	2.5 l	glass	466,90	396,40
8424.3	10 l	tinplate	1366,90	1161,40
8424.5	25 l	tinplate	2620,50	2227,15

-15%

Diethyl ether

≥99,5 %, for synthesis, stabilised

UN no. 1155 · ADR 3 I · WGK 1

  **Danger**
H224-H302-H336-EUH019 EUH066

Art. No.	Pack Qty.	Pack.	DKK	DKK
5920.2	1 l	glass	346,15	293,65
5920.3	5 l	aluminium	1201,50	1021,15
5920.4	25 l	tinplate	3426,75	2912,25

Ethanol

≥99,8 %, denatured

UN no. 1170 · ADR 3 II · WGK 1

  **Danger** H225-H319

Art. No.	Pack Qty.	Pack.	DKK	DKK
K928.5	1 l	plastic	144,40	122,25
K928.1	2.5 l	glass	297,75	252,75
K928.3	2.5 l	plastic	281,65	238,90
K928.4	5 l	plastic	504,00	427,90
K928.6	10 l	tinplate	883,15	750,00
K928.7	10 l	plastic	802,50	681,40
K928.2	25 l	tinplate	1765,90	1500,75
K928.8	25 l	plastic	1604,65	1363,50

Methanol

≥99 %, for synthesis

UN no. 1230 · ADR 3 (6.1) II · WGK 2

   **Danger**
H225-H301+H311+H331-H370

Art. No.	Pack Qty.	Pack.	DKK	DKK
8388.1	1 l	glass	149,25	126,40
8388.2	2.5 l	glass	297,75	252,75
8388.5	2.5 l	plastic	201,00	170,25
8388.6	5 l	plastic	423,40	359,65
8388.3	10 l	tinplate	676,50	574,90
8388.4	25 l	tinplate	1120,90	952,50

2-Propanol

≥99,5 %, for synthesis

UN no. 1219 · ADR 3 II · WGK 1

  **Danger** H225-H319-H336

Art. No.	Pack Qty.	Pack.	DKK	DKK
9866.1	1 l	glass	217,15	184,15
9866.2	2.5 l	glass	499,15	424,15
9866.5	2.5 l	plastic	483,00	410,25
9866.6	5 l	plastic	794,25	674,65
9866.3	10 l	tinplate	1282,15	1089,40
9866.7	10 l	plastic	1201,50	1021,15
9866.4	25 l	tinplate	2572,15	2185,90
9866.8	25 l	plastic	2459,25	2089,90



Tetrahydrofuran

≥99,5 %, for synthesis, stabilised

UN no. 2056 · ADR 3 II · WGK 1

   **Danger**
H225-H302-H319-H335-H336-H351-EUH019

Art. No.	Pack Qty.	Pack.	DKK	DKK
4745.1	250 ml	glass	217,15	184,15
4745.2	1 l	glass	386,25	328,15
4745.3	2.5 l	glass	773,25	657,00
4745.4	10 l	tinplate	2338,15	1987,15
4745.5	25 l	tinplate	4104,00	3488,25

Toluene

≥99,5 %, for synthesis

UN no. 1294 · ADR 3 II · WGK 3

   **Danger**
H225-H304-H315-H336-H361d-H373-H412

Art. No.	Pack Qty.	Pack.	DKK	DKK
9558.1	1 l	glass	257,25	218,25
9558.3	2.5 l	glass	447,75	379,90
9558.2	10 l	tinplate	1088,65	925,15
9558.4	25 l	tinplate	2169,00	1843,50

Trichloromethane/Chloroform

≥99 %, for synthesis

UN no. 1888 · ADR 6.1 III · WGK 3

  **Danger**
H302-H315-H331-H351-H361d-H372

Art. No.	Pack Qty.	Pack.	DKK	DKK
Y015.1	1 l	glass	257,25	218,25
Y015.2	2.5 l	glass	507,40	430,90
Y015.3	10 l	tinplate	1765,90	1500,75
Y015.4	25 l	tinplate	3599,65	3008,25

Water

distilled

Art. No.	Pack Qty.	Pack.	DKK	DKK
1CX3.1	1 l	plastic	55,90	46,90
1CX3.2	5 l	plastic	165,40	140,25
1CX3.3	10 l	plastic	246,00	208,50
1CX3.4	25 l	plastic	547,50	465,00

Xylene (isomers)

≥97 %, for synthesis

UN no. 1307 · ADR 3 III · WGK 2

   **Danger**
H226-H304-H312+H332-H315-H319-H335-H373

Art. No.	Pack Qty.	Pack.	DKK	DKK
2662.1	1 l	glass	197,65	167,65
2662.2	2.5 l	glass	314,65	267,00
2662.5	5 l	aluminium	556,50	472,90
2662.3	10 l	tinplate	879,00	747,00
2662.4	25 l	tinplate	1814,25	1541,65

How to open a ROTITAINER®?

You can find our instruction video on the Internet at: <https://www.carlroth.com/en/en/rotitainer>



Technical Salts

-20%



Potassium permanganate ≥98 %, technical

UN no. 1490 · ADR 5.1 II · WGK 3

Danger

H272-H302-H314-H361d-H373-H410

Art. No.	Pack Qty.	Pack.	DKK	DKK
1HH5.1	500 g	plastic	225,00	179,65
1HH5.2	1 kg	plastic	370,15	295,90
1HH5.3	5 kg	plastic	1282,15	1025,25
1HH5.4	10 kg	plastic	2330,25	1863,75
1HH5.5	25 kg	plastic	5313,40	4250,25



Potassium hexacyanoferrate(II) trihydrate ≥98,5 %, cryst.

WGK 2

H412-EUH032

Art. No.	Pack Qty.	Pack.	DKK	DKK
7974.1	250 g	plastic	197,65	157,90
7974.2	1 kg	plastic	563,65	450,40
7974.3	5 kg	plastic	2217,40	1773,75



Potassium hexacyanoferrate(III) ≥99 %, technical

WGK 2

EUH032

Art. No.	Pack Qty.	Pack.	DKK	DKK
7971.3	500 g	plastic	358,90	286,90
7971.1	1 kg	plastic	620,15	502,15
7971.2	5 kg	plastic	2572,15	2057,25

Other salts in technical quality:

-15%

Ammonium carbonate ≥30,5 % NH₃, extra pure

WGK 1

Danger H302-H315-H318

Art. No.	Pack Qty.	Pack.	DKK	DKK
CN94.1	500 g	plastic	152,65	129,40
CN94.2	1 kg	plastic	238,15	201,75
CN94.4	2.5 kg	plastic	418,50	355,50
CN94.3	5 kg	plastic	717,75	609,75

Copper(II) sulphate pentahydrate ≥98 %, cryst.

UN no. 3077 · ADR 9 III · WGK 3

Danger H302-H318-H410

Art. No.	Pack Qty.	Pack.	DKK	DKK
8175.6	250 g	plastic	128,25	108,75
8175.1	1 kg	plastic	273,40	232,15
8175.3	2.5 kg	plastic	556,50	472,90
8175.2	5 kg	plastic	1000,00	856,50
8175.4	10 kg	plastic	1665,00	1414,90
8175.5	25 kg	plastic	3055,90	2597,25

Lead(II) nitrate ≥99 %, pure

UN no. 1469 · ADR 5.1 (6.1) II · WGK 3

Danger

H302+H332-H360Df-H372-H410

Art. No.	Pack Qty.	Pack.	DKK	DKK
1P5X.1	100 g	glass	128,25	108,75
1P5X.2	500 g	glass	475,15	403,50
1P5X.3	1 kg	glass	818,65	695,25

Lithium carbonate ≥99 %, extra pure

WGK 1

Warning H302-H319

Art. No.	Pack Qty.	Pack.	DKK	DKK
7324.1	100 g	plastic	321,75	273,00
7324.2	500 g	plastic	1282,15	1089,40
7324.3	1 kg	plastic	2491,50	2117,65
7324.4	2.5 kg	plastic	5200,50	4420,15
7324.5	5 kg	plastic	10078,15	8566,15

Lithium chloride ≥98,5 %, pure

WGK 1

Warning H302-H315-H319

Art. No.	Pack Qty.	Pack.	DKK	DKK
P007.1	250 g	plastic	789,40	670,50
P007.2	1 kg	plastic	2894,65	2460,00
P007.3	2.5 kg	plastic	6361,50	5407,15

di-Potassium hydrogen phosphate ≥98 %, anhydrous

WGK 1

Art. No.	Pack Qty.	Pack.	DKK	DKK
6875.2	500 g	plastic	217,15	184,15
6875.1	1 kg	plastic	370,15	314,25
6875.3	5 kg	plastic	1443,40	1226,65
6875.7	25 kg	plastic	6119,65	5201,25

Potassium iodide ≥99 %, extra pure

WGK 3

Danger H372

Art. No.	Pack Qty.	Pack.	DKK	DKK
0323.1	100 g	glass	289,50	245,65
0323.2	500 g	glass	1088,65	925,15
0323.3	1 kg	glass	2056,15	1747,50
0323.4	2.5 kg	glass	4104,00	3488,25

Sodium carbonate ≥99 %, anhydrous

WGK 1

Warning H319

Art. No.	Pack Qty.	Pack.	DKK	DKK
8563.1	1 kg	plastic	152,65	129,40
8563.2	10 kg	plastic	600,75	510,40
8563.5	25 kg	plastic	1120,90	952,50

Sodium chloride ≥99,8 %, with anti-caking agent

WGK 1

Art. No.	Pack Qty.	Pack.	DKK	DKK
9265.1	1 kg	plastic	96,00	81,40
9265.2	5 kg	plastic	281,65	238,90
9265.3	10 kg	plastic	507,40	430,90
9265.5	25 kg	plastic	1008,00	856,50
9265.4	50 kg	cardboard	1653,00	1404,75

Sodium chloride ≥99 %

WGK 1

Art. No.	Pack Qty.	Pack.	DKK	DKK
0601.1	1 kg	plastic	104,25	88,15
0601.2	5 kg	plastic	305,65	259,50
0601.3	10 kg	plastic	531,40	451,50
0601.4	25 kg	plastic	1028,25	873,40

Sodium iodide ≥99 %, pure

UN no. 3077 · ADR 9 III · WGK 3

Danger H315-H319-H372-H400

Art. No.	Pack Qty.	Pack.	DKK	DKK
1LX8.1	250 g	plastic	531,40	451,50
1LX8.2	500 g	plastic	842,65	715,90
1LX8.3	1 kg	plastic	1471,50	1250,25
1LX8.4	2.5 kg	plastic	3104,25	2638,15

Zinc chloride ≥97 %, cryst.

UN no. 2331 · ADR 8 III · WGK 3

Danger H302-H314-H335-H410

Art. No.	Pack Qty.	Pack.	DKK	DKK
3533.1	1 kg	plastic	222,00	188,25
3533.3	2.5 kg	plastic	466,90	396,40
3533.2	10 kg	plastic	1653,00	1404,75

Zirconyl nitrate hydrate ≥99,5 %, pure

UN no. 3085 · ADR 5.1 (8) II · WGK 1

Danger H272-H314

Art. No.	Pack Qty.	Pack.	DKK	DKK
1P69.1	50 g	glass	241,15	204,75
1P69.2	100 g	glass	391,15	331,90
1P69.3	500 g	glass	1463,65	1243,50

Quechers

-15%**QuEChERS Products****For pesticide residue analysis in food**

Within a few years after its development the **QuEChERS** method (**Quick, Easy, Cheap, Efficient, Rugged, Safe**) has gained a leading position for determination of pesticide residues in food samples by GC-MS or LC-MS, allowing rapid and cheap clean-up of strongly matrix-contaminated samples. For optimizing the extraction of pH-dependent compounds, for minimizing decomposition of sensitive substances, and for broadening the matrix spectrum, different modifications of the QuEChERS method have been elaborated.

In addition to the required adsorbent Silica gel 60 diamino a number of individually weighed and premixed buffer and extraction mixtures is offered, specially composed for different sample matrices.

For extraction, the European standard EN 15662 recommends a citrate extraction mix (Mix I), while AOAC standard 2007.1 uses an acetate extraction mix (Mix II). For clean-up, the Diamino phase (PSA) removes, e.g., sugars and organic acids. Magnesium sulfate removes water, C₁₈ ec removes non-polar interferences such as fats and the carbon phase removes pigments, sterols, and non-polar interferences.

For selection of the proper clean-up mix see table below.

For selection of the proper QuEChERS mix see table below.

Step 1 - Extraction and salting-out				
Method	Mix	Content of Mix	Sample weight	Solvent
EN 15662:2008, citrate-buffered	Mix I	4 g MgSO ₄ , 1 g NaCl, 0,5 g Na ₂ H citrat · 1,5 H ₂ O, 1 g Na ₃ citrat · 2 H ₂ O	10 g	10 ml acetonitrile
AOAC 2007.01, acetate-buffered	Mix II	6 g MgSO ₄ , 1,5 g NaOAc	15 g	15 ml 1 % acetic acid in acetonitrile
Original, unbuffered	Mix XII	4 g MgSO ₄ , 1 g NaCl	10 g	10 ml acetonitrile
Step 2 - Clean up				
Sample property	Low fat content (e.g. pineapple, apples, pear, broccoli, strawberries, asparagus)	Moderate content of chlorophyll and carotinoids (e.g. carrots, lettuce)	High content of chlorophyll and carotinoids (e.g. blackberry, bell pepper, raspberry, spinach)	High fat content (e.g. avocado, baby food, meat, dairy products, muesli, nuts, oil)
Content of Mix	MgSO ₄ , Diamino (PSA)	MgSO ₄ , Diamino (PSA), Carbon	MgSO ₄ , Diamino (PSA), Carbon	MgSO ₄ , Diamino (PSA), C ₁₈ ec
EN 15662:2008	Mix III Diamino Clean up	Mix VI Diamino/C ₁₈ ec Clean up	Mix V Diamino/Carbon Clean up (higher carbon content)	Mix VI Diamino/C ₁₈ ec Clean up
AOAC 2007.01	Mix XX Diamino Clean up	Mix XVII Diamino/C ₁₈ ec Clean up	–	Mix XIX Diamino/C ₁₈ ec Clean up

QuEChERS Extraction mixes

Product name	Purity	Method	Composition	Packaging	Art. No.	Pack Qty.	DKK	DKK
QuEChERS Extraction Mix I	Citrat mix	EN 15662	4 g MgSO ₄ 1 g NaCl 0,5 g C ₆ H ₈ Na ₂ O ₇ · 1,5 H ₂ O 1 g C ₆ H ₅ Na ₃ O ₇ · 2 H ₂ O	50 x 15 ml tubes	4867.1	50 unit(s)	1257,75	1069,15
QuEChERS Extraction Mix II	Acetate mix	AOAC 2007.01	6 g MgSO ₄ 1,5 g C ₆ H ₅ NaO ₂	50 x 15 ml tubes	4868.1	50 unit(s)	1257,75	1069,15
QuEChERS Extraction Mix XII NEW	unbuffered	Original	1 g MgSO ₄ 0,25 g NaCl	50 x 15 ml tubes	219E.1	50 unit(s)	1170,00	1069,15
			4 g MgSO ₄ 1 g NaCl	50 x 50 ml tubes	219E.2	50 unit(s)	1170,00	1069,15
					219E.3	50 unit(s)	1170,00	1069,15

QuEChERS Clean-up mixes

Product name	Purity	Method	Composition	Packaging	Art. No.	Pack Qty.	DKK	DKK
QuEChERS Clean-up Mix III	Diamino mix	EN 15662	0,9 g MgSO ₄ 0,15 g Diamino (PSA)	50 x 15 ml tubes	4870.1	50 unit(s)	846,75	719,25
QuEChERS Clean-up Mix IV	Diamino/Carbon mix	EN 15662	0,9 g MgSO ₄ 0,15 g Diamino (PSA) 0,015 g Carbon (GCB)	50 x 15 ml tubes	4871.1	50 unit(s)	1056,40	897,75
QuEChERS Clean-up Mix V	Diamino/Carbon mix	EN 15662	0,9 g MgSO ₄ 0,15 g Diamino (PSA) 0,045 g Carbon (GCB)	50 x 15 ml tubes	4875.1	50 unit(s)	1056,40	897,75
QuEChERS Clean-up Mix VI	Diamino/C ₁₈ ec mix	EN 15662	0,9 g MgSO ₄ 0,15 g Diamino (PSA) 0,15 g C ₁₈ ec	50 x 15 ml tubes	4877.1	50 unit(s)	846,75	719,25
QuEChERS Clean up-Mix XVII	Diamino/Carbon mix	AOAC 2007.01	0,15 g MgSO ₄ 50 mg Diamino (PSA) 50 mg Carbon (GCB)	50 x 2 ml tubes	1LNx.1	50 unit(s)	783,00	664,90
QuEChERS Clean-up Mix XIX	Diamino/C ₁₈ ec mix	AOAC 2007.01	0,15 g MgSO ₄ 50 mg Diamino (PSA) 50 mg C ₁₈ ec	50 x 15 ml tubes	1LNP.1	50 unit(s)	846,75	719,25
			1200 mg MgSO ₄ 400 mg Diamino (PSA) 400 mg C ₁₈ ec		1LNP.2	50 unit(s)	846,75	719,25
QuEChERS Clean-up Mix XX	Diamino mix	AOAC 2007.01	1,20 g MgSO ₄ 0,40 g Diamino (PSA)	50 x 15 ml tubes	1LNT.1	50 unit(s)	846,75	719,25
QuEChERS Clean-up Mix XLVII NEW	Diamino/Carbon/C ₁₈ ec mix	AOAC 2007.01	1,2 g MgSO ₄ 0,4 g Diamino (PSA) 0,4 g Carbon (GCB) 0,4 g C ₁₈ ec	50 x 15 ml tubes	219N.1	50 unit(s)	1672,50	1528,15
QuEChERS Clean-up Mix XLIX NEW	Diamino/Carbon/C ₁₈ ec mix	AOAC 2007.01	1,2 g MgSO ₄ 0,4 g Diamino (PSA) 0,045 g Carbon (GCB) 0,4 g C ₁₈ ec	50 x 15 ml tubes	219P.1	50 unit(s)	1140,00	1041,40
QuEChERS Clean-up Mix L NEW	special clean-up-mix for PFAS analysis	FDA C-010.02	0,9 g MgSO ₄ 0,3 g Diamino (PSA) 0,15 g Carbon (GCB)	50 x 15 ml tubes	219L.1	50 unit(s)	1575,00	1438,90
QuEChERS Clean-up Mix M1 NEW	special clean-up-mix for mycotoxin analysis	AOAC 2007.01	300 mg special sorbent blend	50 x 15 ml tubes	219H.1	50 unit(s)	1575,00	1438,90

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



Quechers

-15%

Products for preparation of individual QuEChERS mixes

Product name	Purity	Art. No.	Pack Qty.	DKK	DKK
Magnesium sulphate	≥99 %, p.a., anhydrous	0682.1	100 g	184,90	156,75
		0682.2	500 g	507,40	430,90
		0682.3	1 kg	927,40	787,90
		0682.4	2.5 kg	1814,25	1541,65
	≥98 %, p.a., anhydrous, granulated	2278.1	100 g	176,65	150,00
		2278.2	500 g	418,50	355,50
		2278.3	1 kg	741,00	629,65
Silica gel 60 C ₁₈ ec	0,02–0,05 mm	6070.1	10 g	665,25	565,15
		6070.2	25 g	1282,15	1089,40
Silica gel 60 diamino	0,045 mm	4878.1	10 g	794,25	674,65
		4878.2	25 g	1685,25	1432,15
Sodium acetate	≥99 %, p.a., ACS, anhydrous	6773.1	250 g	305,65	259,50
		6773.2	1 kg	805,50	684,40
		6773.3	2.5 kg	1765,90	1500,75
		6773.5	25 kg	12496,90	10622,25
Sodium chloride	≥99,5 %, p.a., ACS, ISO	3957.6	10 g	88,15	74,25
		3957.3	500 g	136,50	115,50
		3957.1	1 kg	165,40	140,25
		3957.2	5 kg	604,15	513,00
		3957.4	10 kg	907,15	770,65
		3957.5	25 kg	1814,25	1541,65
tri-Sodium citrate dihydrate	≥99 %, p.a., ACS	3580.4	250 g	201,75	171,00
		3580.3	500 g	321,75	273,00
		3580.1	1 kg	531,40	451,50
		3580.2	5 kg	2169,00	1843,50
di-Sodium hydrogen citrate 1,5-hydrate	≥99 %, cryst.	2611.1	250 g	201,00	170,25
		2611.2	500 g	302,65	256,50
		2611.3	1 kg	507,40	430,90

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

Standard clean-up in food samples:

10 g sample are homogenised with 10 ml acetonitrile. After adding the internal standard the sample is shaken with 4 g magnesium sulphate and 1 g sodium chloride and afterwards centrifuged. 1 ml of the supernatant is spiked with 25 mg CHROMABOND® Diamino and 150 mg magnesium sulphate and shaken again. After centrifugation, the supernatant is analysed by GC/MS or LC/MS.

Adsorbents and their usage

MgSO ₄	Removes excess of water
NaCl	For phase separation
Silica Gel 60 Diamino (PSA) (Primary Secondary Amine)	Removes organic and fatty acids, sugars and anthocyanin pigments
Silica Gel 60 C ₁₈ ec (reversed phase modified silica)	Traps nonpolar compounds, e.g., lipids
Carbon (GCB) (Activated Charcoal / Graphitized Carbon Black)	Removes pigments and sterols (please note: planar pesticides are also removed)



For further information see www.quechers.com

Flame Coloring Sets

-15%

Set for the identification of minerals in the Bunsen burner flame through the characteristic flame colouring of the salts in the "flame test".

Our flame test kits also contain 10 magnesia rods and a wooden clamp for better handling. This provides the materials needed to demonstrate the flame colours of six different metals. During combustion, the metal or semi-metal ion contained in each chemical gives the flame a characteristic colour.

Application:

- Dip the magnesia rod into diluted hydrochloric acid (not included in the scope of delivery)
- Pick up some of the salt with the moistened magnesia rod
- Hold the end of the rod with the salt in the swooshing burner flame

Directions for use

If necessary, burn out the magnesia rods in the burner flame. The flame must be colourless.

The magnesia rods (10 pcs.) and a wooden clip are included in the kit. Please order platinum wire separately.



Flame Test Kit 1

The kit contains

- 10 g barium chloride dihydrate Art. No. 4453.7
- 10 g calcium chloride dihydrate Art. No. 5239.5
- 10 g lithium chloride Art. No. 6698.5
- 10 g potassium chloride Art. No. 6781.4
- 10 g sodium chloride Art. No. 3957.6
- 10 g strontium chloride hexahydrate Art. No. 4473.4

UN no. 3316 · ADR 9 · WGK 1

Danger H301-H315-H318-H332

Art. No.	Pack Qty.	Pack.	DKK	DKK
1PE8.1	1 set	glass	402,40	341,65

Flame Test Kit 2

The kit contains

- 10 g barium sulphate Art. No. 1PE7.1
- 10 g caesium chloride Art. No. 8627.4
- 10 g copper(II) chloride dihydrate Art. No. CN82.4
- 10 g copper(II) nitrate trihydrate Art. No. P754.3
- 5 g indium(III) chloride Art. No. 0307.1
- 5 g rubidium chloride Art. No. 4471.2

UN no. 3316 · ADR 9 · WGK 3

Danger
H272-H290-H302+H312-H314-H361fd-H410

Art. No.	Pack Qty.	Pack.	DKK	DKK
1PE6.1	1 set	glass	644,25	547,15

More products for flame dyeing

Platinum wire ≥99,95 %, Ø 0,2 mm

Art. No.	Pack Qty.	Pack.	DKK	DKK
0737.1	25 cm	plastic	773,25	657,00
0737.2	50 cm	plastic	1443,40	1226,65
0737.3	1 m	plastic	2733,40	2323,15

Platinum wire ≥99,9 %, Ø 0,3 mm

Art. No.	Pack Qty.	Pack.	DKK	DKK
8415.1	10 cm	plastic	660,40	561,00
8415.2	50 cm	plastic	2551,90	2168,65

Platinum wire ≥99,95 %, Ø 0,5 mm

Art. No.	Pack Qty.	Pack.	DKK	DKK
0803.1	5 cm	plastic	721,90	613,15
0803.2	10 cm	plastic	1390,50	1130,65
0803.3	25 cm	plastic	2894,65	2460,00

Platinum wire ≥99,95 %, Ø 1 mm

NEW

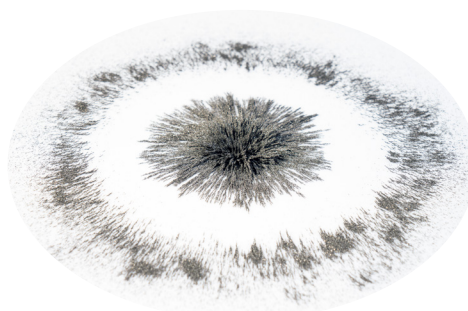
Art. No.	Pack Qty.	Pack.	DKK	DKK
212H.1	5 cm	plastic	1443,40	1226,65
212H.2	10 cm	plastic	2652,75	2254,50
212H.3	25 cm	plastic	5313,40	4516,15

Iron filings for magnetic field experiments

Iron filings ~100 mesh, grease free

For visible magnetic field lines.
Please do not contact the magnet directly.

Art. No.	Pack Qty.	Pack.	DKK	DKK
1P5A.1	100 g	glass	84,75	71,65
1P5A.2	500 g	glass	101,50	153,75
1P5A.3	1 kg	glass	297,75	252,75





Dyes and Indicators

-15%
New for you now at Carl Roth
NEW


Product name	Purity	Pack.	Art. No.	Pack Qty.	DKK	DKK
Brown HT (C.I. 20285)	extra pure	glass	1XTK.1	10 g	160,50	136,15
			1XTK.2	25 g	321,75	273,00
			1XTK.3	100 g	724,90	615,75
Copper phthalocyanine	≥98 %	glass	1XP9.1	5 g	120,40	102,00
			1XP9.2	25 g	507,40	430,90
Orange yellow (C.I. 15985)	extra pure	glass	1XTN.1	10 g	160,50	136,15
			1XTN.2	25 g	321,75	273,00
			1XTN.3	100 g	724,90	615,75
Patent blue V calcium salt (C.I. 42051)	extra pure	glass	1XTP.1	10 g	160,50	136,15
			1XTP.2	25 g	321,75	273,00
			1XTP.3	100 g	724,90	615,75
Patent blue V sodium salt (C.I. 42051:2)	extra pure	glass	1XTT.1	10 g	160,50	136,15
			1XTT.2	25 g	321,75	273,00
			1XTT.3	100 g	724,90	615,75
Ponceau 4R (C.I. 16255)	extra pure	glass	1XTX.1	10 g	160,50	136,15
			1XTX.2	25 g	321,75	273,00
			1XTX.3	100 g	724,90	615,75
Pyranine (C. . 59040)	pure	glass	1T4H.1	10 g	176,65	150,00
			1T4H.2	25 g	362,25	307,50
			1T4H.3	100 g	1040,25	883,90
Quinoline yellow (C.I. 47005)	extra pure	glass	1XTL.1	10 g	160,50	136,15
			1XTL.2	25 g	321,75	273,00
			1XTL.3	100 g	724,90	615,75
Sudan Blue II (C. I. 61554)	pure	glass	1T4K.1	10 g	160,50	136,15
			1T4K.2	25 g	321,75	273,00
			1T4K.3	100 g	1040,25	883,90
Sudan Yellow G (C. I. 12700)	pure	glass	1T4L.1	10 g	160,50	136,15
			1T4L.2	25 g	321,75	273,00
			1T4L.3	100 g	1040,25	883,90

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

Phenolphthalein and alternative products

-20%

Phenolphthalein (C.I. 764)

≥97 %, p.a., ACS

Indicator pH 8.0-10.0

Dissolve 0.1 g in 100 ml ethanol (96 %)

WGK 3

Danger H341-H350-H361f

Thymolphthalein

p.a., ACS

Indicator pH 8.8-10.5;

alternative for phenolphthaleine

Dissolve 0.1 g in 100 ml of ethanol (50 %)

WGK 1

o-Cresolphthaleine

pure

Indicator pH 8.2-9.8;

alternative for Phenolphthaleine

Dissolve 0.1 g in 100 ml ethanol

WGK 1

Art. No.	Pack Qty.	Pack.	DKK	DKK
T126.2	50 g	plastic	160,50	127,90
T126.1	100 g	plastic	225,00	179,65
T126.3	500 g	plastic	612,00	489,40

Art. No.	Pack Qty.	Pack.	DKK	DKK
HN97.1	5 g	glass	189,75	151,50
HN97.2	10 g	glass	321,75	256,90
HN97.3	50 g	glass	1169,25	935,25

Art. No.	Pack Qty.	Pack.	DKK	DKK
1LAC.1	5 g	glass	84,75	67,50
1LAC.2	25 g	glass	346,15	276,40
1LAC.3	100 g	glass	859,75	686,65



Vitamins

NEW

-15%



Vitamins are involved in many metabolic reactions. We can supply a range of high-purity substances suitable for biochemical applications in research and development.

Structural formula	Product name	Purity	Synonymous	Art. No.	Pack Qty.	DKK	DKK
	Cholecalciferol	≥98 %, for biochemistry	Vitamin D ₃ , Colecalciferol	1T99.1	500 mg	144,40	122,25
				1T99.2	1 g	241,15	204,75
				1T99.3	5 g	604,15	513,00
	7-Dehydrocholesterol	≥95 %, for biochemistry	Provitamin D ₃ , Cholesta-5,7-dien-3β-ol	1T97.1	1 g	160,50	136,15
				1T97.2	10 g	879,00	747,00
				1T97.3	25 g	2007,75	1706,25
	Ergocalciferol	≥97,5 %, for biochemistry	Calciferol, Vitamin D ₂	1T9E.1	500 mg	402,40	341,65
				1T9E.2	1 g	724,90	615,75
	Ergosterol	≥94 %, for biochemistry	Provitamin D ₂ , Ergosta-5,7,22-trien-3β-ol	1T9N.1	10 g	563,65	478,90
				1T9N.2	25 g	1208,65	1027,15
				1T9N.3	50 g	2176,15	1849,50
	Menadione	≥98 %, for biochemistry	Vitamin K ₃ , 2-Methylnaphthalene-1,4-dione	1T96.1	10 g	201,00	170,25
				1T96.2	25 g	402,40	341,65
				1T96.3	100 g	1201,50	1021,15
	Menaquinone	≥98 %, for biochemistry	Vitamin K ₂	1T9C.1	25 mg	241,15	204,75
				1T9C.2	50 mg	402,40	341,65
	Methylcobalamin	≥98,5 %, for biochemistry	Vitamin B ₁₂	1T9A.1	25 mg	120,40	102,00
				1T9A.2	100 mg	442,90	376,15
				1T9A.3	250 mg	966,75	821,25
	Panthenol	≥98 %, for biochemistry	Pantothenol, Provitamin B ₅	1T95.1	25 g	160,50	136,15
				1T95.2	50 g	281,65	238,90
				1T95.3	100 g	483,00	410,25
	Pyridoxal phosphate	≥98 %, for biochemistry	Pyridoxal 5-phosphate, PLP, Vitamin B ₆ Phosphate	1T9H.1	1 g	160,50	136,15
				1T9H.2	10 g	644,25	547,15
				1T9H.3	25 g	1128,00	958,50
	Retinol	≥95 %, for biochemistry	Vitamin A ₁	1T98.1	25 mg	168,75	142,90
				1T98.2	100 mg	346,15	293,65
				1T98.3	500 mg	1201,50	1021,15

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

FRISENETTE

Phone

+45 86 34 22 44 · roth@frisenette.dk
CARL ROTH