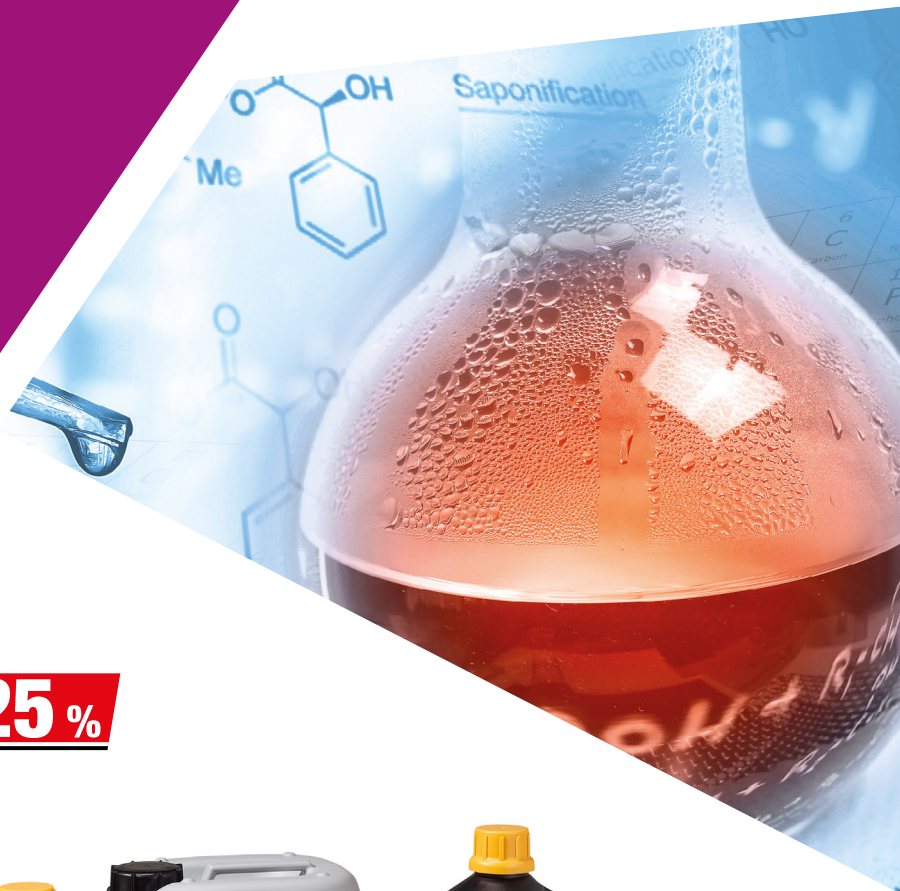




Chemicals

Organic & Biochemicals

TOP Offers



Detergents

-25 %

Tween® 20

Ph. Eur.

Non-ionic detergent.

Art. No.	Pack Qty.	Pack.	DKK	DKK
9127.1	250 g	plastic	184,90	136,15
9127.2	1 kg	plastic	466,90	349,90
9127.3	2.5 kg	plastic	879,00	658,90
9127.4	5 kg	plastic	1.443,40	1.082,25
9127.8	10 kg	plastic	2.652,75	1.989,40



Tween® 40

Ph. Eur.

Non-ionic detergent.

Art. No.	Pack Qty.	Pack.	DKK	DKK
8240.1	250 g	plastic	197,65	147,75
8240.2	500 g	plastic	334,90	249,00
8240.3	1 kg	plastic	556,50	417,00

Tween® 60

Ph. Eur.

Non-ionic detergent.

Art. No.	Pack Qty.	Pack.	DKK	DKK
9694.1	250 g	plastic	213,75	159,75
9694.2	500 g	plastic	370,15	277,15
9694.3	1 kg	plastic	612,00	458,65

Tween® 80

Ph. Eur.

Non-ionic detergent.

Art. No.	Pack Qty.	Pack.	DKK	DKK
9139.1	250 g	plastic	208,90	156,40
9139.3	500 g	plastic	362,25	271,15
9139.2	1 kg	plastic	628,15	470,65
9139.4	2.5 kg	plastic	1.120,90	840,40
9139.5	5 kg	plastic	1.765,90	1.324,15
9139.6	10 kg	plastic	3.184,90	2.388,40

Detergents

-20 %

Brij® 35
for biochemistry
Non-ionic detergent.

⚠ ⚠ **Warning** H302-H319-H410

Art. No.	Pack Qty.	Pack.	DKK	DKK
CN21.1	250 g	plastic	157,50	125,65
CN21.2	500 g	plastic	241,15	192,40
CN21.3	1 kg	plastic	383,25	306,40

Cetylpyridinium chloride monohydrate (CPC)
≥98 %, for biochemistry
Cationic detergent

⚠ ⚠ **Danger**
H301-H315-H319-H330-H335-H410

Art. No.	Pack Qty.	Pack.	DKK	DKK
CN27.1	100 g	plastic	257,25	205,50
CN27.2	500 g	plastic	987,75	790,15

Digitonin Ultra Quality
Water soluble quality, for biochemistry.
Non-ionic detergent.

⚠ **Danger** H301+H311+H331

Art. No.	Pack Qty.	Pack.	DKK	DKK
HN76.3	100 mg	glass	684,75	547,15
HN76.1	250 mg	glass	1.443,40	1.152,00
HN76.2	1 g	glass	4.345,90	3.474,00

Dodecyl-β-D-maltoside (DDM)
≥99 %, for biochemistry
Non-ionic detergent.

Art. No.	Pack Qty.	Pack.	DKK	DKK
CN26.1	500 mg	glass	367,15	293,25
CN26.2	1 g	glass	588,00	469,90
CN26.3	2.5 g	glass	1.270,15	1.015,90
CN26.4	10 g	glass	4.152,40	3.321,75
CN26.5	50 g	plastic	11.690,65	9.352,50

n-Octyl-β-D-glucopyranoside (OGP)
≥98 %, for biochemistry
Non-ionic detergent.

Art. No.	Pack Qty.	Pack.	DKK	DKK
CN23.1	1 g	glass	241,15	192,40
CN23.2	5 g	glass	846,75	677,25
CN23.3	10 g	glass	1.443,40	1.152,00

SDS / Sodium lauryl sulphate
≥95 %
Anionic detergent; active substance for studies with surfactants.

⚠ ⚠ ⚠ **Danger**
H228-H302+H332-H315-H318-H335-H412

Art. No.	Pack Qty.	Pack.	DKK	DKK
5136.1	1 kg	plastic	450,75	360,40
5136.2	5 kg	cardboard	1.572,40	1.257,75

Span® 80
for synthesis
Non-ionic detergent.

Art. No.	Pack Qty.	Pack.	DKK	DKK
9426.1	250 g	glass	225,00	179,65
9426.2	1 kg	glass	592,90	474,00



SDS pellets
≥99 %, for biochemistry
Anionic detergent.

⚠ ⚠ **Danger** H302-H315-H318-H412

Art. No.	Pack Qty.	Pack.	DKK	DKK
CN30.1	250 g	plastic	241,15	192,40
CN30.2	500 g	plastic	370,15	295,90
CN30.3	1 kg	plastic	612,00	489,40
CN30.4	2.5 kg	plastic	1.169,25	935,25
CN30.7	5 kg	plastic	1.846,50	1.474,50

-20 %

Environmentally friendlier Alternative to Triton® X 100

Ecosurf™ SA-9 extra pure
Alternative to Triton® X-100, non-ionic detergent.

⚠ ⚠ **Danger** H302-H318

Art. No.	Pack Qty.	Pack.	DKK	DKK
0982.1	100 ml	glass	141,40	112,90
0982.2	500 ml	glass	281,65	224,65
0982.3	1 l	plastic	480,00	383,65
0982.4	2.5 l	plastic	907,15	725,65
0982.5	10 l	plastic	2.572,15	2.055,00

Tergitol™ 15-S-9 extra pure
Alternative to Triton® X-100, non-ionic detergent.

⚠ **Warning** H302+H332-H412

Art. No.	Pack Qty.	Pack.	DKK	DKK
9975.1	100 ml	glass	149,25	119,25
9975.2	500 ml	glass	334,90	267,40
9975.3	1 l	plastic	439,50	351,40
9975.4	2.5 l	plastic	798,40	638,25
9975.5	10 l	plastic	2.330,25	1.861,50



► Information on properties of **Tergitol™ 15-S-9** and **Ecosurf™ SA-9** can be found in the technical brochure “**Properties of Triton® X-100 and Alternative Products**”

ROTI®Fair – Buffer & Salt Solutions

-20%

Highly pure reagents and buffer mixes in pouches or as tablets.

A tablet or the contents of a sachet is simply dissolved in the appropriate amount of water – and the desired solution is ready. By adjusting the amount of water, the concentration can easily be varied and a higher concentrated stock solution, for example, can be prepared.



- **Easy to use** – simply dissolve the contents of a bag or tablet in water.
- **Time saving** – no need to weigh reagents or adjust pH.
- **Practical** – dry reagents for direct use eliminate the need to prepare stock solutions that have been stored for long periods.
- **Reliable** – our stringent quality control ensures high batch consistency.

ROTI®Fair Products – Sustainability

As ready-to-use mixtures, ROTI®Fair products reduce the user's exposure to health-damaging substances used for preparation or pH adjustment. The production of ROTI®Fair tablets and sachets is carefully controlled in large quantities and can be made energy efficient. ROTI®Fair products reduce the total amount of waste produced and improve the footprint in the climate balance.



Product name	Buffer/solution	Use	Batch quantity	End conc.	pH value	Art. No.	Pack Qty.	DKK	DKK
ROTI®Fair 0.9 % NaCl	Sodium chloride solution	For preparation of salt solutions and buffer concoctions	1000 ml/tablet	0,9 %		1067.1	10 unit(s)	426,75	340,90
						1067.2	100 unit(s)	1.040,25	831,75
ROTI®Fair PBS 7.2	Phosphate Buffered Saline	General solution for assays in molecular biology and biochemistry	1000 ml/tablet	1x	7,2 ±0,05	1106.1	10 unit(s)	657,40	525,40
						1106.2	100 unit(s)	3.184,90	2.547,75
ROTI®Fair PBS 7.4	Phosphate Buffered Saline	General solution for assays in molecular biology and biochemistry	100 ml/tablet	1x	7,4 ±0,05	1107.1	100 unit(s)	499,15	399,00
	Phosphate Buffered Saline	General solution for assays in molecular biology and biochemistry	200 ml/tablet	1x	7,4 ±0,05	1108.1	100 unit(s)	826,50	661,15
	Phosphate Buffered Saline	General solution for assays in molecular biology and biochemistry	500 ml/tablet	1x	7,4 ±0,05	1111.1	12 unit(s)	434,65	345,75
	Phosphate Buffered Saline	General solution for assays in molecular biology and biochemistry	1000 ml/tablet	1x	7,4 ±0,05	1111.2	100 unit(s)	1.753,90	1.402,90
	Phosphate Buffered Saline	General solution for assays in molecular biology and biochemistry	1000 ml/tablet	1x	7,4 ±0,05	1112.1	10 unit(s)	644,25	514,90
	Phosphate Buffered Saline	General solution for assays in molecular biology and biochemistry	1000 ml/tablet	1x	7,4 ±0,05	1112.2	100 unit(s)	3.140,65	2.512,15
	Phosphate Buffered Saline	General solution for assays in molecular biology and biochemistry	10 l/pouch	1x	7,4 ±0,05	1101.1	1 unit(s)	342,75	274,15
ROTI®Fair 10x PBS 7.4	Phosphate Buffered Saline	General solution for assays in molecular biology and biochemistry	1000 ml/pouch	10x	7,4 ±0,05	1103.1	1 unit(s)	1.068,40	854,65
						1105.1	5 unit(s)	842,65	673,90
ROTI®Fair PBS potassium-free 7.4	Phosphate Buffered Saline, potassium-free	Potassium-free, general solution for assays in molecular biology and biochemistry	1000 ml/tablet	1x	7,4 ±0,05	1113.1	10 unit(s)	644,25	514,90
						1113.2	100 unit(s)	3.140,65	2.512,15
ROTI®Fair PBST 7.4	Phosphate Buffered Saline/Tween	General solution for assays in molecular biology and biochemistry	500 ml/tablet	1x	7,4 ±0,05	1115.1	12 unit(s)	560,65	392,25
	Phosphate Buffered Saline/Tween	General solution for assays in molecular biology and biochemistry	1000 ml/tablet	1x	7,4 ±0,05	1115.2	100 unit(s)	2.269,90	1.587,40
ROTI®Fair TBS 7.6	Tris-buffered salt solution, Tris Buffered Saline	General solution for assays in molecular biology and biochemistry	500 ml/tablet	1x	7,6 ±0,05	1116.1	10 unit(s)	729,75	510,75
						1116.2	100 unit(s)	3.588,00	2.511,40
ROTI®Fair TBST 7.6	Tris-buffered salt solution with Tween, Tris Buffered Saline/Tween	General solution for assays in molecular biology and biochemistry	500 ml/tablet	1x	7,6 ±0,05	1244.1	10 unit(s)	547,50	437,65
						1244.2	100 unit(s)	2.814,00	2.248,50
ROTI®Fair TBST 7.6	Tris-buffered salt solution with Tween, Tris Buffered Saline/Tween	General solution for assays in molecular biology and biochemistry	500 ml/tablet	1x	7,6 ±0,05	1248.1	10 unit(s)	765,40	611,65
						1248.2	100 unit(s)	3.459,00	2.764,50

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

► **Albumin solutions** and **ROTI®Quant** can be found in the enclosed Life Science Mailing

Enzymes – Top Sellers -25 %



Lysozyme

≥45 000 FIP U/mg, lyophilized

From chicken egg white, free from albumin.

Storage temperature: -20 °C

Transport temperature: ambient temp.

Danger H334

Art. No.	Pack Qty.	Pack.	DKK	DKK
8259.1	1 g	glass	249,40	184,50
8259.2	10 g	glass	1.282,15	961,15
8259.3	25 g	glass	2.572,15	1.928,65

Papain

>30 000 USP-U/mg, for biochemistry

Made from *Carica papaya*.

pH optimum: 6.0

Temperature optimum: 65 °C

Stock solution: 10 mg/ml in water

Storage temperature: +4 °C

Danger H315-H319-H334-H335

Art. No.	Pack Qty.	Pack.	DKK	DKK
8933.1	25 g	plastic	442,90	329,65
8933.2	100 g	plastic	1.205,65	901,90

Proteinase K

≥30 mAnson U/mg, lyophilized

Isolated from fungi (*Tritirachium album*).

Storage temperature: +4 °C

Danger H315-H317-H319-H334-H335

Art. No.	Packaging	Pack.	DKK	DKK
7528.1	1 x 100 mg	glass	805,50	603,75
7528.5	1 x 250 mg	glass	1.512,00	1.133,65
7528.2	1 x 500 mg	glass	2.793,40	2.049,75
7528.3	in 30 ml glass vial	glass	3.023,65	2.267,25
7528.4	1 x 1 g	glass	4.507,15	3.379,90
7528.6	1 x 5 g	glass	18.019,90	13.514,65

Trypsin

5.000 USP-U/mg

Serine protease isolated from porcine pancreas, lyophilised.

Storage temperature: -20 °C

Transport temperature: ambient temp.

Danger H315-H319-H334-H335

Art. No.	Pack Qty.	Pack.	DKK	DKK
2193.1	100 mg	glass	281,65	208,50
2193.2	500 mg	glass	879,90	658,90
2193.3	5 g	glass	7.216,15	5.411,65

Zymolyase® 100T

≥100 U/mg, for biochemistry and molecular biology

For lysis of yeast cells.

Isolated from *Arthrobacter luteus*.

Storage temperature: +4 °C

Transport temperature: cooled

Art. No.	Pack Qty.	Pack.	DKK	DKK
9329.1	100 mg	glass	2.410,90	1.807,90
9329.2	500 mg	glass	7.651,50	5.738,25

Zymolyase® 20T

≥20 U/mg, for biochemistry and molecular biology

For lysis of yeast cells.

Isolated from *Arthrobacter luteus*.

Storage temperature: +4 °C

Transport temperature: cooled

Art. No.	Pack Qty.	Pack.	DKK	DKK
9324.1	100 mg	glass	681,40	474,75
9324.2	500 mg	glass	1.927,15	1.348,90
9324.3	1 g	glass	3.346,15	2.341,90

Substrate – Top Sellers -25 %

ROTI®DAB Kit



DNase-free

RNase-free

for immunochemistry

Substrate kit for detection of HRP activity on blot membranes and slides.

Storage temperature: +4 °C

Transport temperature: cooled

Danger H302-H341-H351-H360D-H373

Art. No.	Packaging	Pack Qty.	Pack.	DKK	DKK
9202.1	for ca. 40 assays, n dropper bottles	1 kit	cardboard	1.604,65	1.203,00

X-Gluc

≥99 %, for microbiology

Glucuronidase substrate

Storage temperature: -20 °C

Transport temperature: ambient temp.

Art. No.	Pack Qty.	Pack.	DKK	DKK
0018.1	100 mg	glass	910,50	682,50
0018.2	500 mg	glass	3.426,75	2.569,90
0018.3	1 g	glass	5.716,50	4.287,00

5-Bromo-4-chloro-3-indolyl phosphate disodium salt

≥99 %

Substrate for alkaline phosphatase, in particular in immunoblot procedures.

Storage temperature: -20 °C

Transport temperature: ambient temp.

Art. No.	Pack Qty.	Pack.	DKK	DKK
A155.1	100 mg	glass	241,15	180,40
A155.2	500 mg	glass	1.040,25	780,00
A155.3	1 g	glass	1.846,50	1.384,50
A155.4	5 g	glass	5.877,75	4.408,15

5-Bromo-4-chloro-3-indolyl phosphate p-toluidine salt

≥99 %, BioScience Grade

Histochemical substrate for phosphatase.

Storage temperature: -20 °C

Transport temperature: ambient temp.

Warning H371

Art. No.	Pack Qty.	Pack.	DKK	DKK
6368.1	500 mg	glass	321,75	240,75
6368.2	1 g	glass	625,15	466,50
6368.3	5 g	glass	2.330,25	1.747,50

ROTI®Lumin

ready-to-use

10x conc., fluorescence-free, for protein and cytoimmunochemistry

Chemoluminescence substrate for peroxidase mediated detection systems.

Storage temperature: +4 °C

Art. No.	Packaging	Pack Qty.	Pack.	DKK	DKK
P078.1	2 x 120 ml	1 kit	plastic	2.652,75	1.989,40
P078.2	2 x 25 ml	1 kit	plastic	724,90	543,40

X-β-Gal

DNase-free

RNase-free

Protease-free

≥99 %, BioScience Grade

Ideal for colorimetric detection of β-galactosidase activity.

Storage temperature: -20 °C

Transport temperature: ambient temp.

Art. No.	Pack Qty.	Pack.	DKK	DKK
2315.1	100 mg	glass	176,65	132,00
2315.2	500 mg	glass	523,50	392,25
2315.3	1 g	glass	979,90	732,75
2315.5	2.5 g	glass	1.846,50	1.384,50
2315.4	5 g	glass	3.297,75	2.473,15



Inhibitors - Top Sellers

-22%

Aprotinin

3,0 PEU/mg, for biochemistry



Inhibitor for inhibition of serin proteases, lyophilized and made of beef lung.

Aprotinin inhibits trypsin, chymotrypsin, plasmin and kallikrein with high activity.

Kininogens are cysteine proteases from the cystatin superfamily. Kininogenases split kininogens into kinins (inflammation mediators).

Unit definition

Activity: 1 PEU (Ph. Eur. Unit) corresponds to 1950 KIU (Kallikrein Inhibitory Units). 1 PEU corresponds to approx. 1.5 TIU (Trypsin Inhibitory Units). 1 TIU corresponds to approx. 1300 KIU. Specific Activity: ≥ 3.0 PEU/mg corresponding to ≥ 5850 KIU/mg

Directions for use

Recommended end concentration: $1.54 \mu\text{M}$ ($10 \mu\text{g/ml}$).
pH-optimum: 7.0-8.0.

Dissolves easily in water. Stock solution: 1.54 mM (10 mg/ml) in H_2O or buffer. Storage of stock solution: in aliquots at -20°C .

M 6500 g/mol

Storage temperature: $+4^\circ\text{C}$

WGK 1

Lyophilized from bovine lungs.

Art. No.	Pack Qty.	Pack.	DKK	DKK
A162.1	10 mg	glass	330,00	256,90
A162.2	50 mg	glass	963,75	751,15
A162.3	100 mg	glass	1.685,25	1.313,25
A162.5	250 mg	glass	3.539,65	2.760,40
A162.4	500 mg	glass	6.684,00	5.213,25

AEBSF hydrochloride

 $\geq 98\%$, for biochemistry

Inhibitor of serine proteases

Storage temperature: -20°C

Transport temperature: ambient temp.

Danger H314

Art. No.	Pack Qty.	Pack.	DKK	DKK
2931.1	25 mg	plastic	173,65	135,00
2931.2	100 mg	plastic	370,15	288,40
2931.3	500 mg	plastic	1.491,75	1.163,25

Bestatin hydrochloride

 $\geq 98\%$, for biochemistry

Inhibitor of aminopeptidases

Storage temperature: -20°C

Transport temperature: ambient temp.

Art. No.	Pack Qty.	Pack.	DKK	DKK
2937.1	5 mg	plastic	665,25	518,65
2937.2	25 mg	plastic	2.539,90	1.980,75

Phenylmethyl sulphonyl fluoride

 $\geq 98\%$, for biochemistry

Irreversible inhibitor of serine- and thiol proteases.
Reversible effect on cysteine proteases.

Danger H301-H314

Art. No.	Pack Qty.	Pack.	DKK	DKK
6367.4	348 mg	glass	128,25	99,75
6367.1	5 g	plastic	265,50	206,65
6367.2	25 g	plastic	879,00	684,40
6367.3	100 g	plastic	2.459,25	1.917,75

Pefabloc® SC-Protease Inhibitor

Pefabloc® $\geq 95\%$, for biochemistry

Irreversible inhibitor of serine proteases.

Storage temperature: $+4^\circ\text{C}$
Danger H314

Art. No.	Pack Qty.	Pack.	DKK	DKK
A154.1	100 mg	glass	592,90	462,00
A154.2	500 mg	glass	2.459,25	1.917,75
A154.3	1 g	glass	4.426,50	3.452,25

E-64

 $\geq 99\%$, for biochemistry

Inhibitor of cysteine proteases.

Storage temperature: -20°C

Transport temperature: ambient temp.

Art. No.	Pack Qty.	Pack.	DKK	DKK
2935.1	5 mg	plastic	798,40	558,75
2935.2	25 mg	plastic	2.814,00	1.969,50

-30%

Pepstatin A

 $\geq 98\%$, for biochemistry

Inhibitor of acidic / aspartic proteases

Isolated from streptomycin and other actinomycetes.

Storage temperature: -20°C

Transport temperature: ambient temp.

Art. No.	Pack Qty.	Pack.	DKK	DKK
2936.1	5 mg	plastic	265,50	206,65
2936.2	25 mg	plastic	826,50	644,65
2936.3	100 mg	plastic	2.701,15	2.106,75

CELLPURE® Reagents for Cell Culture

Endotoxin
tested



CELLPURE® Salts

-20 %

Calcium chloride dihydrate CELLPURE® ≥99 %

For cell culture and biochemistry.

⚠ Warning H319

Endotoxins ≤5,0 I.U./g

Art. No.	Pack Qty.	Pack.	DKK	DKK
HN04.1	250 g	plastic	160,50	127,90
HN04.2	500 g	plastic	302,65	241,90
HN04.3	1 kg	plastic	523,50	418,15

Magnesium chloride hexahydrate CELLPURE® ≥99 %

For cell culture and biochemistry.

Endotoxins ≤3,0 I.U./g

Art. No.	Pack Qty.	Pack.	DKK	DKK
HN03.1	250 g	plastic	184,90	147,40
HN03.2	500 g	plastic	281,65	224,65
HN03.3	1 kg	plastic	442,90	353,65
HN03.4	2.5 kg	plastic	846,75	677,25
HN03.5	5 kg	plastic	1.524,00	1.216,50

Potassium chloride CELLPURE® ≥99 %

For cell culture and biochemistry.

Endotoxins ≤3,0 I.U./g

Art. No.	Pack Qty.	Pack.	DKK	DKK
HN02.1	250 g	plastic	160,50	127,90
HN02.2	500 g	plastic	222,00	177,40
HN02.3	1 kg	plastic	399,40	319,15
HN02.4	2.5 kg	plastic	786,40	628,90
HN02.7	25 kg	plastic	5.442,40	4.353,75

Sodium chloride CELLPURE® ≥99,5 %

For cell culture and biochemistry.

Endotoxins ≤5 I.U./g

Art. No.	Pack Qty.	Pack.	DKK	DKK
HN00.1	500 g	plastic	165,40	132,00
HN00.2	1 kg	plastic	225,00	179,65
HN00.3	5 kg	plastic	749,25	598,90

tri-Sodium citrate dihydrate CELLPURE® ≥99 %

For cell culture and biochemistry.

Endotoxins ≤6,0 E.U./g

Art. No.	Pack Qty.	Pack.	DKK	DKK
HN12.1	250 g	plastic	213,75	168,40
HN12.2	500 g	plastic	386,25	308,65
HN12.3	1 kg	plastic	628,15	502,15
HN12.4	2.5 kg	plastic	1.330,50	1.064,25

CELLPURE® Carbohydrates

-25 %

D(+)-Galactose CELLPURE® ≥99 %

For cell culture and biochemistry.

Endotoxins ≤10 E.U./g

Art. No.	Pack Qty.	Pack.	DKK	DKK
8878.1	10 g	plastic	257,25	192,40
8878.2	25 g	plastic	499,15	373,90
8878.3	50 g	plastic	879,00	658,90
8878.4	100 g	plastic	1.685,25	1.263,75

D(+)-Maltose monohydrate CELLPURE® ≥97 %

For cell culture and biochemistry.

Endotoxins ≤1,0 E.U./g

Art. No.	Pack Qty.	Pack.	DKK	DKK
8882.1	25 g	plastic	217,15	160,15
8882.2	100 g	plastic	483,00	361,90
8882.3	250 g	plastic	927,40	695,25
8882.4	500 g	plastic	1.572,40	1.179,00

D(+)-Mannose CELLPURE® ≥99 %

For cell culture and biochemistry.

Endotoxins ≤10 E.U./g

Art. No.	Pack Qty.	Pack.	DKK	DKK
8887.1	10 g	plastic	241,15	180,40
8887.2	25 g	plastic	475,15	353,65
8887.3	50 g	plastic	834,75	625,50
8887.4	100 g	plastic	1.524,00	1.142,65

D(+)-Glucose CELLPURE® ≥98 %, anhydrous

For cell culture and biochemistry.

Endotoxins ≤5,0 I.U./g

Art. No.	Pack Qty.	Pack.	DKK	DKK
HN06.1	250 g	plastic	117,00	87,40
HN06.2	500 g	plastic	184,90	136,15
HN06.3	1 kg	plastic	278,25	208,15
HN06.4	5 kg	plastic	907,15	679,90

D(-)-Mannitol CELLPURE® ≥97 %

For cell culture and biochemistry.

Endotoxins ≤2,5 E.U./g

Art. No.	Pack Qty.	Pack.	DKK	DKK
8883.1	100 g	plastic	225,00	168,40
8883.3	250 g	plastic	450,75	337,50
8883.2	500 g	plastic	805,50	603,75

D(+)-Trehalose dihydrate CELLPURE® ≥98 %

For cell culture and biochemistry.

Endotoxins 2,4 E.U./g

Art. No.	Pack Qty.	Pack.	DKK	DKK
8897.1	10 g	plastic	289,50	216,75
8897.2	25 g	plastic	523,50	392,25
8897.3	50 g	plastic	879,00	658,90
8897.4	100 g	plastic	1.592,65	1.192,15

► For our extended assortment of **CELLPURE® reagents** see chapter Cell Biology in our current catalogue or at www.carlroth.com



CELLPURE® Reagents for Cell Culture

Endotoxin
tested

CELLPURE® Amino Acids

-20 %

L-Alanyl-L-glutamine CELLPURE® ≥99 %

Art. No.	Pack Qty.	Pack.	DKK	DKK
6831.1	5 g	plastic	273,40	216,75
6831.2	10 g	plastic	386,25	308,65
6831.3	25 g	plastic	773,25	618,40
6831.4	100 g	plastic	2.572,15	2.055,00

L-Glutamine CELLPURE® ≥99 %

For cell culture and biochemistry.

Art. No.	Pack Qty.	Pack.	DKK	DKK
HN08.1	25 g	plastic	165,40	132,00
HN08.2	100 g	plastic	321,75	256,90
HN08.3	500 g	plastic	1.120,90	896,25

L-Lysine monohydrate CELLPURE® ≥98,5 %

For cell culture and biochemistry.

Art. No.	Pack Qty.	Pack.	DKK	DKK
6829.1	25 g	plastic	450,75	360,40
6829.2	100 g	plastic	947,65	757,90
6829.3	500 g	plastic	3.700,90	2.958,00

L-Arginine CELLPURE® ≥99 %

For cell culture and biochemistry.

⚠ Warning H319

Art. No.	Pack Qty.	Pack.	DKK	DKK
1655.1	25 g	plastic	93,00	73,90
1655.2	100 g	plastic	229,90	183,75
1655.3	500 g	plastic	749,25	598,90

L-Glutamic acid CELLPURE® ≥99 %

For cell culture and biochemistry.

Art. No.	Pack Qty.	Pack.	DKK	DKK
1743.1	25 g	plastic	133,15	103,90
1743.2	100 g	plastic	217,15	173,25
1743.3	500 g	plastic	673,50	538,50

L-Methionine CELLPURE® ≥99 %

For cell culture and biochemistry.

Art. No.	Pack Qty.	Pack.	DKK	DKK
1702.1	25 g	plastic	149,25	119,25
1702.2	100 g	plastic	310,50	248,25
1702.3	500 g	plastic	1.201,50	960,75

L-Arginine monohydrochloride CELLPURE® ≥98,5 %

For cell culture and biochemistry.

Art. No.	Pack Qty.	Pack.	DKK	DKK
1689.1	25 g	plastic	133,15	103,90
1689.2	100 g	plastic	233,25	184,50
1689.3	500 g	plastic	770,25	615,75

L-Glutathione reduced CELLPURE® ≥99 %

Art. No.	Pack Qty.	Pack.	DKK	DKK
6832.1	2.5 g	glass	225,00	179,65
6832.2	5 g	glass	313,90	249,00
6832.3	10 g	glass	483,00	385,90
6832.4	25 g	glass	971,65	777,00

L-Phenylalanine CELLPURE® ≥99 %

For cell culture and biochemistry.

Art. No.	Pack Qty.	Pack.	DKK	DKK
1709.1	25 g	plastic	160,75	134,65
1709.2	100 g	plastic	391,15	312,75
1709.3	500 g	plastic	1.491,75	1.193,25

L-Asparagine monohydrate CELLPURE® ≥99 %

For cell culture and biochemistry.

Art. No.	Pack Qty.	Pack.	DKK	DKK
KK37.1	50 g	plastic	233,25	184,50
KK37.2	250 g	plastic	798,40	638,25
KK37.3	500 g	plastic	1.443,40	1.152,00

Glycine CELLPURE® ≥99 %

For cell culture and biochemistry.

Art. No.	Pack Qty.	Pack.	DKK	DKK
HN07.1	100 g	plastic	152,65	120,00
HN07.2	500 g	plastic	434,65	345,75
HN07.3	1 kg	plastic	786,40	628,90

L-Proline CELLPURE® ≥98,5 %

For cell culture and biochemistry.

Art. No.	Pack Qty.	Pack.	DKK	DKK
1713.1	25 g	plastic	257,25	205,50
1713.2	100 g	plastic	644,25	514,90
1713.3	500 g	plastic	2.410,90	1.926,00

L-Cysteine CELLPURE® ≥99 %

For cell culture and biochemistry.

⚠ Warning H302

Art. No.	Pack Qty.	Pack.	DKK	DKK
1693.1	25 g	plastic	229,90	183,75
1693.2	100 g	plastic	563,65	450,40
1693.3	500 g	plastic	2.410,90	1.926,00

L-Histidine CELLPURE® ≥99 %

For cell culture and biochemistry.

Art. No.	Pack Qty.	Pack.	DKK	DKK
1696.1	25 g	plastic	233,25	184,50
1696.2	100 g	plastic	504,00	403,15
1696.3	500 g	plastic	2.007,75	1.603,50

L-Serine CELLPURE® ≥99 %

For cell culture and biochemistry.

Art. No.	Pack Qty.	Pack.	DKK	DKK
1714.1	25 g	plastic	225,00	179,65
1714.2	100 g	plastic	555,75	442,50
1714.3	500 g	plastic	2.169,00	1.732,50

L-Isoleucine CELLPURE® ≥99 %

For cell culture and biochemistry.

Art. No.	Pack Qty.	Pack.	DKK	DKK
1698.1	25 g	plastic	208,90	166,90
1698.2	100 g	plastic	499,15	399,00
1698.3	500 g	plastic	2.007,75	1.603,50

L-Threonine CELLPURE® ≥99 %

For cell culture and biochemistry.

Art. No.	Pack Qty.	Pack.	DKK	DKK
1738.1	25 g	plastic	160,75	134,65
1738.2	100 g	plastic	346,15	276,40
1738.3	500 g	plastic	1.362,75	1.087,50

L-Cysteine hydrochloride monohydrate CELLPURE® ≥99 %

For cell culture and biochemistry.

⚠ Warning H315-H319-H335

Art. No.	Pack Qty.	Pack.	DKK	DKK
1694.1	25 g	plastic	160,50	127,90
1694.2	100 g	plastic	370,15	295,90
1694.3	500 g	plastic	1.524,00	1.216,50

L-Leucine CELLPURE® ≥99 %

For cell culture and biochemistry.

Art. No.	Pack Qty.	Pack.	DKK	DKK
1699.1	25 g	plastic	160,50	127,90
1699.2	100 g	plastic	370,15	295,90
1699.3	500 g	plastic	1.249,90	999,75

L-Tryptophan CELLPURE® ≥99 %

For cell culture and biochemistry.

Art. No.	Pack Qty.	Pack.	DKK	DKK
1739.1	25 g	plastic	249,40	199,15
1739.2	100 g	plastic	724,90	579,40
1739.3	500 g	plastic	2.975,25	2.377,50

Deuterated Solvents and Compounds

-20 %**Acetone D6**
99,8 Atom%D

For nuclear magnetic resonance spectroscopy.

Danger H225-H319-H336-EUH066

Art. No.	Pack Qty.	Pack.	DKK	DKK
AE51.3	7.5 ml	glass ampoule	488,00	385,90
AE51.1	10 ml	glass	499,50	351,40
AE51.4	10 ml	septum bottle	455,65	364,15
AE51.5	25 ml	glass	1.008,00	806,25
AE51.2	50 ml	glass	1.874,65	1.499,65

Dichloromethane D2
99,5 Atom%D

For nuclear magnetic resonance spectroscopy.

Warning H315-H319-H336-H351

Art. No.	Pack Qty.	Pack.	DKK	DKK
AE55.3	5 ml	glass	507,40	405,40
AE55.5	7.5 ml	glass ampoule	894,40	715,15
AE55.1	10 ml	glass	886,15	708,40
AE55.2	25 ml	glass	2.035,90	1.628,65
AE55.4	50 ml	glass	3.700,90	2.958,00

Methanol D4
99,8 Atom%D

For nuclear magnetic resonance spectroscopy.

Danger
H225-H301+H311+H331-H370

Art. No.	Pack Qty.	Pack.	DKK	DKK
AE57.3	7.5 ml	glass ampoule	693,00	506,25
AE57.1	10 ml	glass	600,75	480,40
AE57.4	10 ml	septum bottle	616,90	493,15
AE57.5	25 ml	glass	1.362,75	1.087,50
AE57.2	50 ml	glass	2.572,15	2.055,00

Acetonitrile D3
99,8 Atom%D

For nuclear magnetic resonance spectroscopy.

Danger
H225-H302+H312+H332-H319

Art. No.	Pack Qty.	Pack.	DKK	DKK
7911.2	7.5 ml	glass ampoule	708,75	566,65
7911.1	10 ml	glass	692,65	553,90
7911.3	25 ml	glass	1.390,50	1.064,25

Benzene D6
99,5 Atom%D

For nuclear magnetic resonance spectroscopy.

Danger
H225-H304-H315-H319-H340-H350i-H372

Art. No.	Pack Qty.	Pack.	DKK	DKK
AE53.1	10 ml	glass	520,15	415,90
AE53.3	10 ml	septum bottle	544,50	435,40
AE53.4	25 ml	glass	1.120,90	896,25
AE53.2	50 ml	glass	2.056,15	1.644,75
AE53.5	100 ml	glass	3.942,75	3.151,50

Dimethyl sulphoxide D6 with TMS
(0.03 vol.%)
99,8 Atom%D

For nuclear magnetic resonance spectroscopy.

Art. No.	Pack Qty.	Pack.	DKK	DKK
AE60.3	7.5 ml	glass ampoule	386,25	308,65
AE60.1	10 ml	glass	378,40	302,25
AE60.4	25 ml	glass	724,90	579,40
AE60.2	50 ml	glass	1.390,90	1.112,65

New in the Range**NEW**

Product name	Purity	Packaging	Pack.	Art. No.	Pack Qty.	DKK	DKK
Acetone D6	100 Atom%D	10 x 0,75 ml in ampoules	glass ampoule	1K3E.1	7.5 ml	1.120,90	896,25
Acetonitrile D3	100 Atom%D	10 x 0,75 ml in ampoules	glass ampoule	1K3H.1	7.5 ml	1.370,65	1.096,50
Acetyl chloride D3	99 Atom%D		glass	1L34.1	5 ml	1.120,90	896,25
Biphenyl D10	99 Atom%D		glass	1L36.1	1 g	879,00	702,75
Deuterium chloride 20 % solution in D ₂ O	99,5 Atom%D		glass	1K3L.1	25 ml	879,00	702,75
1,4-Dichlorobenzene D4	98 Atom%D		glass	1L37.1	1 g	693,00	506,25
Dimethyl carbonate D6	99,5 Atom%D		glass	1L38.1	1 ml	1.201,50	960,75
Dimethyl sulphoxide D6	100 Atom%D	10 x 0,75 ml in ampoules	glass ampoule	1K3K.1	7.5 ml	717,75	573,75
Formic acid D 95 % solution in D ₂ O	98 Atom%D		glass	1L35.1	5 ml	1.201,50	960,75
Phenylboronic acid D5	98 Atom%D		glass	1L3A.1	1 g	1.282,15	1.025,25
Sodium deuterium oxide 40 % solution in D ₂ O	99,5 Atom%D		glass	1K3N.1	10 g	362,25	289,15
Sodium formate D	99,5 Atom%D		glass	1L39.1	10 g	483,00	385,90

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

► Further deuterated compounds:





Complexing Agents **-25 %**

***trans*-1,2-Diaminocyclohexane-*N,N,N',N'*-tetracetic acid monohydrate**

≥99 %, p.a., ACS

WGK 1

⚠ Warning H315-H319

Art. No.	Pack Qty.	Pack.	DKK	DKK
1412.1	25 g	plastic	289,50	216,75
1412.2	100 g	plastic	858,75	643,50
1412.3	250 g	plastic	1.850,65	1.385,65
1412.4	500 g	plastic	3.463,15	2.595,00

Nitrilotriacetic acid

≥99 %, p.a., ACS

WGK 2

⚠ ⚠ Warning H319-H351

Art. No.	Pack Qty.	Pack.	DKK	DKK
4384.1	100 g	plastic	588,00	440,65

Ethylenediamine tetraacetic acid dipotassium salt dihydrate

≥99 %, p.a.

WGK 2

⚠ ⚠ Warning H332-H373

Art. No.	Pack Qty.	Pack.	DKK	DKK
3053.1	100 g	plastic	225,00	168,40
3053.2	250 g	plastic	450,75	337,50
3053.3	500 g	plastic	892,50	601,50
3053.4	1 kg	plastic	1.443,40	1.082,25
3053.5	5 kg	plastic	5.716,50	4.287,00

EGTA

≥99 %, p.a.

For molecular biology and biochemistry.

WGK 1

Art. No.	Pack Qty.	Pack.	DKK	DKK
3054.1	10 g	plastic	294,40	220,50
3054.2	50 g	plastic	1.169,25	876,75
3054.3	100 g	plastic	2.007,75	1.505,65

Ethylenediamine tetraacetic acid

≥99 %, p.a., ACS

For molecular biology and biochemistry.

WGK 2

⚠ Warning H319

Art. No.	Pack Qty.	Pack.	DKK	DKK
8040.1	100 g	plastic	141,40	103,90
8040.3	500 g	plastic	321,75	240,75
8040.2	1 kg	plastic	483,00	361,90
8040.4	2.5 kg	plastic	959,65	719,25
8040.5	25 kg	plastic	7.490,25	5.617,50

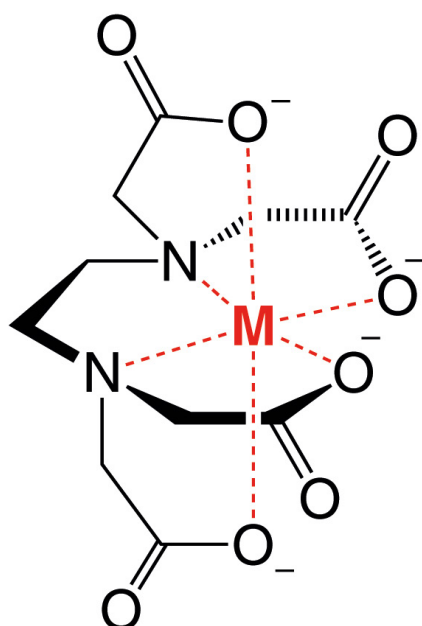
Ethylenediamine tetraacetic acid tetrasodium salt tetrahydrate

≥99 %, p.a.

WGK 1

⚠ ⚠ Danger H302-H318

Art. No.	Pack Qty.	Pack.	DKK	DKK
CP87.1	250 g	plastic	168,75	126,00
CP87.2	500 g	plastic	273,40	204,75
CP87.3	1 kg	plastic	466,90	349,90
CP87.4	5 kg	plastic	1.927,15	1.444,90



Calibration and Control Standards ROTI®Calipure

-20%

Colour Standards according to Gardner ROTI®Calipure

The light yellow Gardner colour numbers 1-8 are based on potassium chloroplatinate solutions, the colour numbers 9-18 on iron(III) chloride, cobalt(II) chloride and hydrochloric acid solutions. They can be used to determine the colour number of similarly coloured liquids, such as vegetable oils or mineral oils. Our colour standards according to Gardner are prepared from high-quality reagents by weighing (weight %). The standards are checked by means of a spectrophotometer. The batch specific Certificates of Analysis are available online.

Properties:

- Calibration and/or quality control standard
- Consistently high quality from batch to batch
- Ready-to-use



Colour Standards Gardner ROTI®Calipure

Product name	Brand/Purity	Art. No.	Pack Qty.	DKK	DKK
Colour Standard	ROTI®Calipure Gardner 1	1HT7.1	100 ml	1-653,00	1.322,25
	ROTI®Calipure Gardner 2	1HT8.1	100 ml	1-152,40	921,40
	ROTI®Calipure Gardner 3	1HT9.1	100 ml	907,15	725,65
	ROTI®Calipure Gardner 4	1HTA.1	100 ml	1-152,40	921,40
	ROTI®Calipure Gardner 5	1HTC.1	100 ml	907,15	725,65
	ROTI®Calipure Gardner 6	1HTE.1	100 ml	1-152,40	921,40
	ROTI®Calipure Gardner 7	1HTH.1	100 ml	907,15	725,65
	ROTI®Calipure Gardner 8	1HTK.1	100 ml	1-152,40	921,40
	ROTI®Calipure Gardner 9	1HTL.1	100 ml	907,15	725,65
	ROTI®Calipure Gardner 10	1HTN.1	100 ml	907,15	725,65
	ROTI®Calipure Gardner 11	1HTP.1	100 ml	907,15	725,65
	ROTI®Calipure Gardner 12	1HTT.1	100 ml	1-152,40	921,40
	ROTI®Calipure Gardner 13	1HTX.1	100 ml	1-653,00	1.322,25
	ROTI®Calipure Gardner 14	1HTY.1	100 ml	1-152,40	921,40
	ROTI®Calipure Gardner 15	1HX0.1	100 ml	907,15	725,65
	ROTI®Calipure Gardner 16	1HX1.1	100 ml	1-152,40	921,40
	ROTI®Calipure Gardner 17	1HX2.1	100 ml	907,15	725,65
	ROTI®Calipure Gardner 18	1HX3.1	100 ml	907,15	725,65

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

Colour Standards according to Saybolt ROTI®Calipure

The Saybolt scale is used for the evaluation of water-clear, colourless to slightly yellowish liquids, such as paraffins or mineral oils.

Our colour standards according to Saybolt are prepared from high-quality reagents by weighing (weight %). The standards are checked by means of a spectrophotometer. The batch specific Certificates of Analysis are available online.

Properties:

- Calibration and/or quality control standard
- Consistently high quality from batch to batch
- Ready-to-use



Colour Standards Saybolt ROTI®Calipure

Product name	Brand/Purity	Art. No.	Pack Qty.	DKK	DKK
Colour Standard	ROTI®Calipure Saybolt +30	1KNH.1	100 ml	633,00	506,25
	ROTI®Calipure Saybolt +25	1KNK.1	100 ml	1-152,40	921,40
	ROTI®Calipure Saybolt +19	1KNL.1	100 ml	1-152,40	921,40
	ROTI®Calipure Saybolt +15	1KNN.1	100 ml	633,00	506,25
	ROTI®Calipure Saybolt +12	1KNP.1	100 ml	1-152,40	921,40
	ROTI®Calipure Saybolt +0	1KNT.1	100 ml	1-152,40	921,40
	ROTI®Calipure Saybolt -15	1KNX.1	100 ml	1-152,40	921,40

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

Calibration and Control Standards ROTI®Calipure

-20%

Density standards ROTI®Calipure

Our Density standards are made of high-quality reagents and are tested by Bingham Pycnometer. They can be used with any brand or type of density measuring instrument. The batch specific Certificates of Analysis are available online.

Properties:

- No toxic metals are used in the products
- Calibration standard for density measurement by pycnometric, vibrational or hydrometer based techniques
- Usable with any brand or type of density measuring instrument
- Consistently high quality from batch to batch
- For testing of Density or Relative Density



Density Standards ROTI®Calipure

Product name	Purity	Pack.	Art. No.	Pack Qty.	DKK	DKK
Density Standard	0,6919 g/ml (20 °C)	glass	2951.1	100 ml	805,50	643,90
	0,7033 g/ml (20 °C)	glass	2964.1	100 ml	805,50	643,90
	0,8668 g/ml (20 °C)	glass	2965.1	100 ml	805,50	643,90
	1,0005 g/ml (20 °C)	glass	2966.1	100 ml	805,50	643,90
	1,0301 g/ml (20 °C)	glass	2971.1	100 ml	1.927,15	1.539,00
	1,0792 g/ml (20 °C)	glass	2972.1	100 ml	1.927,15	1.539,00
	1,1651 g/ml (20 °C)	glass	2973.1	100 ml	1.927,15	1.539,00
	1,2486 g/ml (20 °C)	glass	2974.1	100 ml	1.927,15	1.539,00
	1,3304 g/ml (20 °C)	glass	2976.1	100 ml	1.927,15	1.539,00
	1,7470 g/ml (20 °C)	glass	2979.1	100 ml	1.927,15	1.539,00

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

Viscosity standards ROTI®Calipure

Our viscosity standards are manufactured from high-quality reagents and tested using Ubbelohde Master Viscometers. All standards are tested for kinematic viscosity (mm²/s, cSt) as well as dynamic viscosity (mPa·s, cP) and density (g/ml) at different temperatures up to 100 °C. They can be used for calibration, control, verification, qualification or method validation of kinematic and dynamic viscosity. The batch specific Certificates of Analysis are available online.



Viscosity Standards ROTI®Calipure

Product name	Purity	Pack.	Art. No.	Pack Qty.	DKK	DKK
Standard for Viscosity S3	4,5 cSt (20 °C)	glass	3385.1	500 ml	1.168,50	934,15
Standard for Viscosity S6	10 cSt (20 °C)	glass	3387.1	500 ml	1.168,50	934,15
Standard for Viscosity N10	22 cSt (20 °C)	glass	3342.1	500 ml	1.168,50	934,15
Standard for Viscosity S20	43 cSt (20 °C)	glass	3360.1	500 ml	1.168,50	934,15
Standard for Viscosity N35	88 cSt (20 °C)	glass	3349.1	500 ml	1.168,50	934,15
Standard for Viscosity S60	160 cSt (20 °C)	glass	3388.1	500 ml	1.168,50	934,15
Standard for Viscosity N75	210 cSt (20 °C)	glass	3356.1	500 ml	1.168,50	934,15
Standard for Viscosity N100	320 cSt (20 °C)	glass	3344.1	500 ml	1.168,50	934,15
Standard for Viscosity S200	540 cSt (20 °C)	glass	3366.1	500 ml	1.168,50	934,15
Standard for Viscosity N250	790 cSt (20 °C)	glass	3345.1	500 ml	1.168,50	934,15

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

Acids and Bases for Analysis (p.a.)

-20 %

Top Products

Product name	Purity	Pack.	Art. No.	Pack Qty.	DKK	DKK
Acetic acid	100 %, p.a.	glass	3738.1	1 l	241,15	180,40
		plastic	3738.4	1 l	225,00	168,40
		glass	3738.2	2.5 l	520,50	392,25
		plastic	3738.5	2.5 l	507,40	378,00
			3738.6	5 l	879,00	658,90
			3738.3	10 l	1.572,40	1.179,00
Ammonia solution	≥25 %, p.a.	glass	6774.1	1 l	201,00	150,40
		plastic	6774.2	2.5 l	297,75	222,75
			6774.3	5 l	450,75	337,50
Citric acid	≥99,5 %, p.a., ACS, anhydrous	plastic	X863.1	500 g	176,65	132,00
			X863.2	1 kg	270,25	208,15
			X863.3	2.5 kg	560,65	422,25
			X863.4	5 kg	907,15	679,90
			X863.6	10 kg	1.650,00	1.239,40
			X863.5	25 kg	3.459,00	2.593,90
Formic acid	≥98 %, p.a., ACS	glass	4724.3	500 ml	176,65	132,00
			4724.1	1 l	310,90	232,90
			4724.2	2.5 l	644,25	482,65
		PE/steel	4724.4	10 l	2.056,15	1.541,65
			4724.5	25 l	4.104,00	3.077,65
Nitric acid	≥65 %, p.a., ISO	glass	4989.3	250 ml	168,75	126,00
			4989.1	1 l	305,65	228,75
			4989.2	2.5 l	620,15	470,65
		plastic	4989.4	2.5 l	612,00	458,65
			3257.3	50 g	321,75	240,75
Periodic acid	≥99 %, p.a.	glass	3257.1	100 g	612,00	458,65
			3257.2	500 g	2.088,40	1.566,00
			3257.4	1 kg	3.781,50	2.835,75
			6771.3	500 g	152,65	111,75
Sodium hydroxide	≥98 %, p.a., ISO, in pellets	plastic	6771.1	1 kg	230,15	176,25
			6771.4	2.5 kg	560,65	422,25
			6771.2	5 kg	850,75	643,50
			6771.6	10 kg	1.927,15	1.444,90
			6771.5	25 kg	3.378,40	2.533,50
Sodium hydroxide solution	≥32 %, p.a.	plastic	T196.1	1 l	257,25	192,40
			T196.2	2.5 l	499,15	373,90
			T196.3	5 l	802,50	601,50
			T196.7	25 l	3.020,65	2.267,25
Sulphuric acid	96 %, p.a., ISO	glass	4623.3	250 ml	165,40	123,75
			4623.1	1 l	281,65	208,50
		plastic	4623.4	1 l	265,50	198,75
		glass	4623.2	2.5 l	571,90	426,40
		plastic	4623.5	2.5 l	588,00	440,65
			4623.6	10 l	1.120,90	840,40

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



Salts for Analysis

-30 %

Ammonium chloride

≥99,7 %, p.a., Ultra Quality

Reagent for photography, buffer substance, molecularbiology, mixtures cryogens.

⚠ Warning H302-H319

Art. No.	Pack Qty.	Pack.	DKK	DKK
K298.1	500 g	plastic	208,90	144,00
K298.2	1 kg	plastic	351,00	245,25
K298.3	2.5 kg	plastic	563,65	394,15
K298.4	5 kg	plastic	798,40	558,75
K298.6	10 kg	plastic	1.310,25	916,90
K298.5	25 kg	plastic	2.572,15	1.800,40



Sodium chloride

≥99,5 %, p.a., ACS, ISO

For freezing mixtures, salting-out soap, molecular biology.

Potassium chloride

≥99,5 %, p.a., ACS, ISO

Reagent for buffer solutions, for molecular biology.

Art. No.	Pack Qty.	Pack.	DKK	DKK
6781.3	500 g	plastic	160,50	111,75
6781.1	1 kg	plastic	293,25	162,75
6781.2	5 kg	plastic	927,40	648,75
6781.5	25 kg	plastic	3.539,65	2.477,65

Art. No.	Pack Qty.	Pack.	DKK	DKK
3957.3	500 g	plastic	133,15	93,00
3957.1	1 kg	plastic	152,65	106,15
3957.2	5 kg	plastic	563,65	394,15
3957.4	10 kg	plastic	853,90	595,50
3957.5	25 kg	plastic	1.689,40	1.182,40

further Salts in p.a. Quality

-20 %

Product name	Purity	Art. No.	Pack Qty.	DKK	DKK
Ammonium heptamolybdate tetrahydrate	≥99 %, p.a.	3666.1	250 g	781,50	624,75
		3666.2	500 g	1.362,75	1.087,50
		3666.3	1 kg	2.491,50	1.990,50
		3666.7	25 kg	26.001,75	20.801,25
Ammonium sulphate	≥99,5 %, p.a., ACS, ISO	3746.2	250 g	117,00	93,40
		3746.1	1 kg	262,15	209,65
		3746.3	2.5 kg	480,00	383,65
		3746.4	5 kg	842,65	673,90
		3746.6	10 kg	1.350,75	1.080,40
		3746.5	25 kg	2.862,40	2.289,75
Caesium chloride	≥99,999 %, p.a., Ultra Quality	8627.4	10 g	201,00	160,15
		8627.3	50 g	499,15	399,00
		8627.1	100 g	846,75	677,25
		8627.5	250 g	1.572,40	1.257,75
		8627.2	1 kg	5.797,15	4.637,25
Calcium chloride dihydrate	≥99 %, p.a., ACS	5239.2	500 g	152,65	120,00
		5239.1	1 kg	217,15	173,25
		5239.3	2.5 kg	459,00	366,75
Copper(II) sulphate pentahydrate	≥99,5 %, p.a., ACS, ISO	P024.1	500 g	249,40	199,15
		P024.2	1 kg	426,75	340,90
		P024.3	2.5 kg	802,50	641,65
Lithium chloride	≥99 %, p.a., Ultra Quality	3739.1	250 g	692,65	553,90
		3739.2	1 kg	2.330,25	1.861,50
Magnesium chloride hexahydrate	≥99 %, p.a., ACS	2189.2	250 g	136,50	108,75
		2189.1	1 kg	265,50	211,90
		2189.3	2.5 kg	491,25	392,65
		2189.5	25 kg	3.700,90	2.958,00
		T111.1	250 g	579,75	463,50
Nickel(II) sulphate hexahydrate	≥99 %, p.a., ACS	T111.2	1 kg	2.007,75	1.603,50
		P749.1	500 g	257,25	205,50
di-Potassium hydrogen phosphate	≥99 %, p.a., anhydrous	P749.2	1 kg	466,90	373,15
		P749.3	2.5 kg	947,65	757,90
		P749.5	25 kg	7.732,15	6.185,25

Product name	Purity	Art. No.	Pack Qty.	DKK	DKK
Potassium iodide	≥99,5 %, p.a., ISO	6750.4	50 g	184,90	147,40
		6750.1	250 g	793,15	586,15
		6750.3	500 g	1.362,75	1.087,50
		6750.2	1 kg	2.572,15	2.055,00
		6750.5	2.5 kg	5.071,50	4.054,50
		6750.6	5 kg	9.594,40	7.675,50
Rubidium chloride	≥99 %, p.a.	4471.2	5 g	321,75	256,90
		4471.1	10 g	555,75	442,50
		4471.3	25 g	1.149,00	919,15
		4471.4	50 g	2.169,00	1.732,50
Sodium acetate trihydrate	≥99,5 %, p.a., ACS, ISO	6779.2	500 g	213,75	168,40
		6779.1	1 kg	402,40	321,40
		6779.3	5 kg	1.930,50	1.064,25
		6779.5	25 kg	5.603,65	4.482,75
Sodium azide	≥99 %, p.a.	K305.1	100 g	418,50	334,50
		K305.2	250 g	805,50	643,90
		K305.3	500 g	1.443,40	1.152,00
		K305.4	1 kg	2.410,90	1.926,00
di-Sodium hydrogen phosphate	≥99 %, p.a., ACS, anhydrous	P030.1	500 g	278,25	222,40
		P030.2	1 kg	459,00	366,75
		P030.3	2.5 kg	927,40	741,75
		4984.2	500 g	238,15	190,15
di-Sodium hydrogen phosphate dihydrate	≥99,0 %, p.a.	4984.1	1 kg	399,40	319,15
		4984.3	2.5 kg	802,50	641,65
		4984.4	5 kg	1.229,65	983,65
		4984.5	10 kg	2.056,15	1.644,75
		4984.7	25 kg	3.588,00	2.870,25
Sodium sulphate	≥99 %, p.a., ACS, ISO, anhydrous, powdered	8560.3	500 g	222,00	177,40
		8560.1	1 kg	318,75	254,65
		8560.2	5 kg	1.201,50	960,75
		8560.5	25 kg	4.910,25	3.925,50

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

Metals for Analysis (p.a.)

-20 %

Product name	Purity	Art. No.	Pack Qty.	DKK	DKK
Copper foil	p.a.	1KNE.1	250 g	362,25	289,15
		1KNE.2	1 kg	805,50	643,90
Copper powder	≥99,7 %, p.a., <63 µm	CP21.1	100 g	149,25	119,25
		CP21.2	500 g	471,75	377,25
Indium powder	≥99 %, p.a.	1EHP.1	5 g	391,15	312,75
		1EHP.2	25 g	1.479,75	1.183,50
Iodine	≥99,8 %, p.a., ACS, resublimated	X864.1	100 g	588,00	469,90
		X864.2	250 g	1.060,50	847,90
		X864.3	1 kg	3.700,90	2.958,00
Iron powder	≥99,5 %, p.a., ~10 µm	3718.3	100 g	168,75	134,65
		3718.1	250 g	310,50	248,25
		3718.4	1 kg	805,50	643,90
		3718.2	2.5 kg	1.685,25	1.345,50
Mercury	≥99,9995 %, p.a.	8530.1	100 g	367,15	293,25
		8530.2	1 kg	1.814,25	1.451,25
Tin granules	≥99,8 %, p.a., ~1-4 mm	4016.2	50 g	391,15	312,75
		4016.1	250 g	1.443,40	1.152,00
Zinc granules	≥99,99 %, p.a., 0,3–1,5 mm	3093.1	100 g	289,50	231,40
		3093.2	250 g	660,40	528,00
		3093.3	500 g	1.221,75	976,90
	≥99,99 %, p.a., 5–15 mm	AE99.1	250 g	286,50	228,75
		AE99.2	500 g	480,00	383,65
		AE99.3	1 kg	802,50	641,65

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

Further Metals

New in the range**NEW**

Product name	Purity	Art. No.	Pack Qty.	DKK	DKK
Antimony powder	≥99,5 %	1HX4.1	100 g	305,65	244,15
		1HX4.2	250 g	568,50	454,50
		1HX4.3	500 g	1.040,25	831,75
Gallium	99,99 %	1HN8.1	5 g	241,15	192,40
		1HN8.2	10 g	362,25	289,15
		1HN8.3	25 g	724,90	579,40
Indium wire	99,99 %, Ø 0,5 mm	1HN9.1	25 cm	168,75	134,65
		1HN9.2	50 cm	254,25	200,65
		1HN9.3	1 m	426,75	340,90
Lithium	≥99,5 %, Ø 70 mm, h: 55 mm	1HEA.1	100 g	1.524,00	1.216,50
Manganese powder	≥99,6 %, <100 mesh	1HX8.1	50 g	297,75	237,75
		1HX8.2	100 g	466,90	373,15
		1HX8.3	250 g	927,40	741,75
Tin foil	98 % Sn, 2 % Sb, pure	1L7Y.1	250 g	556,50	444,75
Vanadium powder	99,5 %	1HT6.1	5 g	213,75	168,40
		1HT6.2	25 g	681,40	544,90

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



Indicators and Dyes

-20%

Novelties

NEW

Allura red (C. I. 16035) extra pure

red, water soluble azo dye

Art. No.	Pack Qty.	Pack.	DKK	DKK
1H3X.1	10 g	glass	136,50	108,75
1H3X.2	25 g	glass	241,15	192,40
1H3X.3	100 g	glass	483,90	385,90

Amaranth (C. I. 16185) extra pure

red, water soluble azo dye

Art. No.	Pack Qty.	Pack.	DKK	DKK
1H3Y.1	10 g	glass	136,50	108,75
1H3Y.2	25 g	glass	241,15	192,40
1H3Y.3	100 g	glass	483,90	385,90

Calmagite extra pure

Indicator for determination of Ca and Mg with EDTA

Warning H315-H319-H335

Art. No.	Pack Qty.	Pack.	DKK	DKK
1H59.1	5 g	glass	160,50	127,90
1H59.2	10 g	glass	281,65	224,65
1H59.3	25 g	glass	563,65	450,40

Chrome azurol S (C. I. 43825) extra pure

Indicator for metal ions

Warning H315-H319-H335

Art. No.	Pack Qty.	Pack.	DKK	DKK
1H43.1	1 g	glass	136,50	108,75
1H43.2	10 g	glass	289,50	231,40
1H43.3	25 g	glass	547,50	437,65

New fuchsin (C. I. 42520) extra pure

Dye and detection reagent for aldehydes

Warning H315-H319-H335-H351

Art. No.	Pack Qty.	Pack.	DKK	DKK
1H5E.1	25 g	glass	201,00	160,15
1H5E.2	50 g	glass	321,75	256,90
1H5E.3	100 g	glass	523,50	418,15

Pararosaniline base (C. I. 42500) extra pure

Dye and detection reagent for aldehydes

Warning H351

Art. No.	Pack Qty.	Pack.	DKK	DKK
1H5L.1	5 g	glass	160,50	127,90
1H5L.2	10 g	glass	281,65	224,65
1H5L.3	25 g	glass	475,90	380,25

Patent blue VF (C. I. 42045) extra pure

Vital staining

Art. No.	Pack Qty.	Pack.	DKK	DKK
1H5N.1	10 g	glass	160,50	127,90
1H5N.2	25 g	glass	281,65	224,65
1H5N.3	100 g	glass	644,25	514,90

Resazurin sodium salt extra pure

Redocindicator, indicator pH 5-7, reagent for hyposulphites

Art. No.	Pack Qty.	Pack.	DKK	DKK
1H5X.1	1 g	glass	192,75	152,25
1H5X.2	5 g	glass	531,40	424,90
1H5X.3	10 g	glass	959,65	767,25



Sudan I (C. I. 12055) extra pure

Fat-soluble azo dye

Warning H317-H341-H351-H413

Art. No.	Pack Qty.	Pack.	DKK	DKK
1H5Y.1	25 g	glass	160,50	127,90
1H5Y.2	100 g	glass	362,25	289,15

Thymolphthalein complexon p.a.

Indicator for metal ions

Art. No.	Pack Qty.	Pack.	DKK	DKK
1H60.1	5 g	glass	160,50	127,90
1H60.2	10 g	glass	281,65	224,65
1H60.3	25 g	glass	563,65	450,40

Victoria blue B (C. I. 44045) extra pure

blue violet dye

Danger H302-H319-H341-H350

Art. No.	Pack Qty.	Pack.	DKK	DKK
1H61.1	10 g	glass	144,40	115,15
1H61.2	25 g	glass	281,65	224,65
1H61.3	100 g	glass	798,40	638,25

Top seller

Bromothymol blue p.a., ACS

Indicator pH 6.0-7.6

Art. No.	Pack Qty.	Pack.	DKK	DKK
T117.1	5 g	glass	217,15	173,25
T117.2	25 g	glass	520,15	415,90
T117.3	50 g	glass	867,90	693,40
T117.7	100 g	glass	1.524,00	1.216,50

Fluorescein disodium salt (C.I. 45350) extra concentrated

For source staining and for the study of water current.

Art. No.	Pack Qty.	Pack.	DKK	DKK
5283.3	25 g	plastic	192,75	152,25
5283.1	100 g	plastic	318,75	254,65
5283.2	500 g	plastic	1.040,25	831,75

Nile red extra pure

Fluorescent dye

Art. No.	Pack Qty.	Pack.	DKK	DKK
7726.1	1 g	glass	346,15	276,40
7726.2	5 g	glass	1.362,75	1.087,50
7726.3	10 g	glass	2.572,15	2.055,00

ROTI®Star Standards for AAS and ICP

A selection from our range

-20 %

Single Element Standards for AAS

Product name	Art. No.	Pack Qty.	DKK	DKK
Calcium AAS Standard Solution	2240.1	100 ml	184,90	147,40
	2240.2	500 ml	318,75	254,65
Copper AAS Standard Solution	2329.1	100 ml	184,90	147,40
	2329.2	500 ml	318,75	254,65
Gold AAS Standard Solution	2258.1	100 ml	738,00	589,90
	2258.2	500 ml	1.814,25	1.451,25
Iron AAS Standard Solution	2252.1	100 ml	184,90	147,40
	2252.2	500 ml	318,75	254,65
Lead AAS Standard Solution	2228.1	100 ml	184,90	147,40
	2228.2	500 ml	318,75	254,65
Magnesium AAS Standard Solution	2333.1	100 ml	184,90	147,40
	2333.2	500 ml	318,75	254,65
Scandium AAS Standard Solution	2347.1	100 ml	724,90	579,40
	2347.2	500 ml	2.007,75	1.603,50
Zinc AAS Standard Solution	2383.1	100 ml	184,90	147,40
	2383.2	500 ml	318,75	254,65

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

Single Element Standards for ICP-OES

Product name	Element	Purity	Matrix	Art. No.	Pack Qty.	DKK	DKK
Calcium ICP Standard Solution	Calcium (Ca)	1 000 mg/l Ca	2 % HNO ₃	2407.1	100 ml	483,90	385,90
				2407.3	250 ml	684,75	547,15
	Calcium (Ca)	10 000 mg/l Ca	2 % HNO ₃	2407.2	500 ml	1.040,25	831,75
				2503.1	100 ml	853,90	682,90
Copper ICP Standard Solution	Copper (Cu)	1 000 mg/l Cu	2–3 % HNO ₃	2503.2	500 ml	1.846,50	1.474,50
				2426.1	100 ml	483,90	385,90
	Copper (Cu)	10 000 mg/l Cu	2–3 % HNO ₃	2426.2	250 ml	802,50	641,65
				2520.1	100 ml	853,90	682,90
Iron ICP Standard Solution	Iron (Fe)	1 000 mg/l Fe	2–4 % HNO ₃	2412.1	100 ml	483,90	385,90
				2412.3	250 ml	708,75	566,65
	Iron (Fe)	10 000 mg/l Fe	2–4 % HNO ₃	2412.2	500 ml	1.040,25	831,75
				2508.1	100 ml	853,90	682,90
Palladium ICP Standard Solution	Palladium (Pd)	1 000 mg/l Pd	3–4 % HNO ₃	2508.2	500 ml	1.846,50	1.474,50
				2447.1	100 ml	1.765,90	1.410,00
	Palladium (Pd)	10 000 mg/l Pd	3–4 % HNO ₃	2447.2	250 ml	4.265,25	3.409,50
				2532.1	100 ml	9.070,50	7.256,25
Phosphorus ICP Standard Solution	Phosphorus (P)	1 000 mg/l P	H ₂ O	2451.1	100 ml	483,90	385,90
				2451.2	250 ml	802,50	641,65
	Phosphorus (P)	10 000 mg/l P	H ₂ O	2534.1	100 ml	853,90	682,90
Platinum ICP Standard Solution	Platinum (Pt)	1 000 mg/l Pt	10 % HCl	2448.1	100 ml	1.846,50	1.474,50
				2448.2	250 ml	4.587,75	3.667,50
	Platinum (Pt)	10 000 mg/l Pt	10 % HCl	2533.1	100 ml	8.022,40	6.417,75
Potassium ICP Standard Solution	Potassium (K)	1 000 mg/l K	2 % HNO ₃	2425.1	100 ml	483,90	385,90
				2425.3	250 ml	708,75	566,65
	Potassium (K)	10 000 mg/l K	2 % HNO ₃	2425.2	500 ml	1.040,25	831,75
				2519.1	100 ml	853,90	682,90
Rhodium ICP Standard Solution	Rhodium (Rh)	1 000 mg/l Rh	5 % HCl	2519.2	500 ml	1.846,50	1.474,50
				2455.2	30 ml	1.846,50	1.474,50
Sodium ICP Standard Solution	Sodium (Na)	1 000 mg/l Na	2 % HNO ₃	2455.1	100 ml	3.700,90	2.958,00
				2439.1	100 ml	483,90	385,90
				2439.3	250 ml	684,75	547,15
	Sodium (Na)	10 000 mg/l Na	2 % HNO ₃	2439.2	500 ml	1.040,25	831,75
				2527.1	100 ml	853,90	682,90
Zinc ICP Standard Solution	Zinc (Zn)	1 000 mg/l Zn	2–3 % HNO ₃	2527.2	500 ml	1.846,50	1.474,50
				2485.1	100 ml	483,90	385,90
	Zinc (Zn)	10 000 mg/l Zn	5 % HNO ₃	2485.3	250 ml	684,75	547,15
				2485.2	500 ml	1.040,25	831,75
	Zinc (Zn)			2576.1	100 ml	853,90	682,90
				2576.2	500 ml	1.846,50	1.474,50

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



ROTI®Star Element Standards for ICP

-20 %

Multi Element Standards for ICP-OES

Product name	Number of elements	Composition	Matrix	Art. No.	Pack Qty.	DKK	DKK
ICP Multi-Element Standard Solution IV (23 elements, 1000 mg/l)	23	Ag, Al, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, In, K, Li, Mg, Mn, Na, Ni, Pb, Sr, Ti, Zn	2 % HNO ₃	2638.1	100 ml	2.491,50	1.990,50
ICP Multi-Element Standard Solution VIII (24 elements, 100 mg/l)	24	Al, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, K, Li, Mg, Mn, Na, Ni, Pb, Se, Sr, Te, Ti, Zn	2 % HNO ₃	2639.1	100 ml	2.378,65	1.902,75
ICP Multi-Element Standard Solution X (23 elements, concentration in µg/l)	23	Ca (35000), Mg (15000), Na (8000), K (3000), B (100), Fe (100), Mo (100), Sr (100), As (50), Ba (50), Ni (50), V (50), Zn (50), Mn (30), Co (25), Pb (25), Be (20), Cd (20), Cr (20), Cu (20), Bi (10), Se (10), Ti (10)	2 % HNO ₃	2642.1	100 ml	2.298,00	1.838,25
ICP Multi-Element Standard Solution XVI (21 elements, 100 mg/l)	21	As, Be, Ca, Cd, Co, Cr, Cu, Fe, Li, Mg, Mn, Mo, Ni, Pb, Sb, Se, Sr, Ti, Ti, V, Zn	2 % HNO ₃	2645.1	100 ml	2.298,00	1.838,25
ICP Multi-Element Standard Solution A (24 elements, concentration in mg/l)	24	Al (1000), As (100), B (500), Ba (500), Ca (1000), Cd (100), Co (500), Cr (500), Cu (500), Fe (1000), Hg (10), K (1000), Li (100), Mg (1000), Mn (500), Na (1000), Ni (500), Pb (500), Rb (500), Sr (500), Te (500), Ti (500), V (500), Zn (500)	5 % HNO ₃	8248.1	100 ml	4.797,40	3.837,75
ICP Multi-Element Standard Solution (28 elements, 1 mg/l)	28	Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Ti, Ti, V, Zn	5 % HNO ₃	2649.1	100 ml	773,25	618,40
ICP Multi-Element Standard Solution (28 elements, 100 mg/l)	28	Al, Ag, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sr, Ti, Ti, V, Zn	5 % HNO ₃	2650.1	100 ml	2.652,75	2.119,50

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

Multi Element Standards for ICP-MS

Product name	Number of elements	Composition	Art. No.	Pack Qty.	DKK	DKK
ICP-MS Tuning Solution (6 elements, 1 µg/l)	6	Ce, Co, Li, Mg, Ti, Y	6806.1	100 ml	1.028,25	822,40
			6806.2	500 ml	1.894,90	1.515,75
ICP-MS Tuning Solution A (6 elements, concentration in µg/l)	6	Be (10), Bi (2), Ce (2), Co (5), In (2), Mn (5)	0900.2	250 ml	2.330,25	1.861,50
ICP-MS Tuning Solution B (6 elements, concentration in µg/l)	6	Be (1000), Bi (200), Ce (200), Co (500), In (200), Mn (500)	0902.1	100 ml	1.685,25	1.345,50
ICP-MS Multi-Element Standard Solution (10 elements, 10 mg/l)	10	Au, Hf, Ir, Pd, Pt, Rh, Ru, Sb, Sn, Te	0429.1	100 ml	1.008,00	806,25
ICP-MS Multi-Element Standard Solution (12 elements, concentration in mg/l)	12	As (2,5), Ba (2,5), Cd (0,5), Cr (5), Cu (5), Hg (0,2), Mo (3), Ni (5), Pb (5), Sb (0,5), Se (0,7), Zn (5)	6810.1	100 ml	1.390,90	1.112,65
ICP-MS Multi-Element Standard Solution (21 elements, 100 mg/l)	21	Al, Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, K, Mn, Mo, Ni, Pb, Sb, Se, Sn, Ti, V, Zn	6811.1	100 ml	2.298,00	1.838,25
ICP-MS Multi-Element Standard Solution (28 elements, 10 mg/l)	28	Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cs, Cu, Fe, Ga, In, K, Li, Mg, Mn, Na, Ni, Pb, Rb, Se, Sr, Ti, V, Zn	6802.1	100 ml	4.265,25	3.409,50
ICP-MS Multi-Element Standard Solution VI (30 elements, concentration in mg/l)	30	Ag (10), Al (10), As (100), B (100), Ba (10), Be (100), Bi (10), Ca (1000), Cd (10), Co (10), Cr (10), Cu (10), Fe (100), Ga (10), K (10), Li (10), Mg (10), Mn (10), Mo (10), Na (10), Ni (10), Pb (10), Rb (10), Se (100), Sr (10), Te (10), Ti (10), U (10), V (10), Zn (100)	1L4K.1	100 ml	5.555,25	4.443,75

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

- For further multi-element standards for ICP-OES and ICP-MS see our current catalogue or at www.carlroth.com



- We are offering you our **ROTI®Star** multi-element standard solutions as custom-made special products in all common container sizes.

Determination of the Hydrocarbon Index

-20%

The hydrocarbon index is defined as the total of all organic substances that can be extracted with hexane, but cannot be adsorbed in Florisil® (magnesium silicate). On a covalent GC column, these elute between *n*-decane and *n*-tetracontane and have a boiling range of 175–525 °C. These include heating oils, diesel fuels, kerosene, lubricants and transmission fluids. Petrols are not detected using this method. Carl ROTH offers an extensive range of products for the determination of the hydrocarbon index in accordance with **EN ISO 9377-2-Mod. (DIN H53)**.

Standards

According to **EN ISO 9377-2-Mod. (DIN H53)**

- Manufactured in accordance with **ISO 17034** in an accredited environment
- Tested in a laboratory accredited to **ISO/IEC 17025**
- Ideal for calibration of GC-FID, GC-TCD, GC-ECD, GC-MS, GC-MS/MS, LC-UV, LC-MS and LC-MS/MS
- With an detailed, batch-related certificate of analysis



Determination of the Hydrocarbon Index

NEW / +

Product name	Purity	Pack.	Art. No.	Pack Qty.	DKK	DKK
<i>n</i> -Alkane standard solution (C ₁₀ –C ₄₀ , all even)	16 components (each 50 mg/l) in <i>n</i> -hexane	glass ampoule	1772.1	1 ml	959,65	767,25
	16 components (each 100 mg/l) in <i>n</i> -hexane/petroleum ether	glass ampoule	1772.2	5 ml	1.443,40	1.152,00
			9331.1	5 ml	1.814,25	1.451,25
<i>n</i> -Alkane standard solution (C ₇ , C ₈ , C ₉ , C ₁₀ –C ₄₀ , all even)	19 components (each 50 mg/l) in isooctane	glass ampoule	9629.1	5 ml	1.604,65	1.281,00
Extraction solvent stock solution	20 µl/l <i>n</i> -decane and 20 mg/l <i>n</i> -tetracontane in <i>n</i> -hexane	glass ampoule	1750.2	10 ml	741,00	592,50
Florisil® quality control standard	1 000 mg/l mineral oil and diesel in <i>n</i> -hexane	glass ampoule	9334.1	5 ml	555,75	442,50
Standard mixture of mineral oils	500 mg/l mineral oil and diesel in acetone	glass ampoule	1774.2	5 ml	879,00	702,75
	50 000 mg/l mineral oil and diesel in <i>n</i> -hexane	glass ampoule	1LCE.1	1 ml	1.524,00	1.216,50
		glass ampoule	1LCE.2	5 ml	5.716,50	4.572,75
	50/50 mineral oil and diesel, solvent-free	glass ampoule	1LCH.1	1 ml	950,65	760,15
		glass ampoule	1LCH.2	5 ml	1.685,25	1.345,50
	5 000 mg/l mineral oil and diesel in <i>n</i> -hexane	glass ampoule	1773.2	5 ml	773,25	618,40
Stearyl stearate test solution	2 000 mg/l in <i>n</i> -hexane	glass ampoule	1760.2	10 ml	1.040,25	831,75

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

Additional Chemicals for Determination of the Hydrocarbon Index

-20%

Product name	Brand/Purity	Pack.	Art. No.	Pack Qty.	DKK	DKK
Acetone	ROTISOLV® Pestilyse® plus ≥99,9 %	glass	7535.1	2.5 l	523,50	418,15
Florisil®	for hydrocarbon index analysis, 60–100 mesh	plastic	CN39.1	100 g	426,75	340,90
			CN39.3	500 g	1.524,00	1.216,50
			CN39.2	1 kg	2.814,00	2.248,50
			CN39.4	2.5 kg	5.394,00	4.314,75
<i>n</i> -Hexane	ROTISOLV® Pestilyse® ≥97,5 %	glass	T165.2	1 l	983,25	306,40
			T165.1	2.5 l	870,00	695,65
	ROTISOLV® Pestilyse® plus ≥96 %	glass	T165.3	4 l	1.020,00	815,65
Magnesium sulphate heptahydrate	≥99 %, p.a., ACS	plastic	7567.1	2.5 l	910,50	727,90
			P027.1	500 g	217,15	173,25
			P027.2	1 kg	346,15	276,40
Petroleum ether 40–60 °C	ROTISOLV® Pestilyse® plus	glass	P027.3	2.5 kg	660,40	528,00
			7588.1	2.5 l	644,25	514,90
	ROTISOLV® Pestilyse®	glass	T170.2	1 l	302,65	241,90
			T170.1	2.5 l	604,15	482,65
Sodium sulphate	≥99 %, p.a., ACS, anhydrous, grained	plastic	T170.3	4 l	853,90	682,90
			0966.1	500 g	176,65	141,00
			0966.2	1 kg	265,50	211,90
			0966.3	5 kg	1.084,50	867,40

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Accessories for the Determination of the Hydrocarbon Index



-15%

SPE glass column CHROMABOND® Na₂SO₄/Florisil®

Macherey-Nagel. Material: Glass (borosilicate type I) with glass fiber (GF) filter elements.

For environmental analysis

Extraction of hydrocarbons from water according to DIN H53 / ISO DIS 9377-4

Special combination phase of sodium sulphate and Florisil®

Column volume (ml)	Filling quantity (mg)	Pack.	Art. No.	Pack Qty.	DKK	DKK
6	2000/2000	1 x 30 units	N744.1	30 unit(s)	1.530,00	1.300,50
6	2000/2000	5 x 50 units	N744.2	250 unit(s)	10.297,50	8.701,90

Hydrocarbons in water acc. to ISO DIS 9377-4 / DIN H-53

Internal standard solution:
Solve 20 mg *n*-tetracontane (C₄₀H₈₂) in cyclohexane, add 20 ml *n*-nonane (C₉H₂₀) and fill up to 1 l with cyclohexane (corresponds to extraction agent stock solution, Art. No. 1750.2). To prepare the extraction standard solution dilute the stock solution with cyclohexane 1:10 immediately before use.

Sample pretreatment:
Adjust 900 ml water (10 °C) to pH 2 with HCl and add 80 g MgSO₄. Add 50 ml of the extraction solution, close the bottle, and stir the suspension intensively for 30 min. Add water and separate the organic from the aqueous phase.

Column conditioning:
5 ml cyclohexane

Sample application:
Slowly force or aspirate the organic solution through the column (SPE glass column CHROMABOND® Na₂SO₄/Florisil®, Art. No. N744.1).

Elution:
Wash with 10 mL cyclohexane.

Evaporation:
Evaporate the combined organic solutions carefully to 1 ml or less. If necessary, fill up to 1 ml exactly. (Evaporation to 1 ml can be unnecessary, if the hydrocarbon content is high.)

Further analysis:
Gas chromatography (GC Capillary Columns ROTI®Cap-5 HT, ROTI®Cap-5, ROTI®Cap-1)



GC Capillary Columns ROTI®Cap-5 HT

Silarylene Phase

- **Non-polar**
- **Application areas:** simulated distillation, hydrocarbon, fuel, oil analysis, high boiling analytes, ideal for MS detectors

Similar phases:

- DB-5HT, VF-5HT, HT-5, XTI-5HT, ZB-5HT
- Equivalent to USP phases G27/G36

Product name	Column length	Ø Internal	Film thickness	Art. No.	Pack Qty.	DKK	DKK
GC capillary column ROTI®Cap-5 HT	15 m	0.25 mm	0.10 µm	3883.1	1 unit(s)	2-542,50	2.159,25
		0.32 mm	0.10 µm	3884.1	1 unit(s)	2-617,50	2.224,90
		0.25 mm	0.25 µm	3885.1	1 unit(s)	2-542,50	2.159,25
		0.32 mm	0.25 µm	3888.1	1 unit(s)	2-617,50	2.224,90
	30 m	0.25 mm	0.10 µm	3889.1	1 unit(s)	4-042,50	3.434,25
		0.32 mm	0.10 µm	3890.1	1 unit(s)	4-267,50	3.627,40
		0.25 mm	0.25 µm	3891.1	1 unit(s)	4-042,50	3.434,25
		0.32 mm	0.25 µm	3892.1	1 unit(s)	4-267,50	3.627,40

GC Capillary Columns ROTI®Cap-5

5 % Phenyl – 95 % Methylpolysiloxane

- **Non-polar**
- **Application areas:** standard phase with large range of applications

Similar phases:

- SE-54, SE-52, HP-5, SPB®-5, CP-SIL 8, Rtx-5, 007-5, BP5, MDN-5, AT™-5, ZB-5
- Équivalent aux phases USP G27 / G36

Product name	Column length	Ø Internal	Film thickness	Art. No.	Pack Qty.	DKK	DKK
GC capillary column ROTI®Cap-5	10 m	0.25 mm	0.25 µm	6253.1	1 unit(s)	1-642,50	1.394,25
	25 m	0.20 mm	0.50 µm	6283.1	1 unit(s)	3-517,50	2.989,90
		0.32 mm	1.00 µm	6298.1	1 unit(s)	3-742,50	3.179,25
		0.32 mm	0.10 µm	1387.1	1 unit(s)	3-742,50	3.179,25
	30 m	0.25 mm	0.25 µm	CN11.1	1 unit(s)	3-517,50	2.989,90
		0.32 mm	1.00 µm	6324.1	1 unit(s)	6-217,50	5.284,90

GC Capillary Columns ROTI®Cap-1

100 % Dimethylpolysiloxane

- **Non-polar**
- **Application areas:** Excellent column for routine applications.

Similar phases:

- OV-1, DB-1, SE-30, HP-1, SPB®-1, CP-SIL 5 CB, Rtx®-1, 007-1, BP1, MDN-1, AT™-1, ZB-1, OV-101
- Equivalent to USP phases G1/G2/G38

Product name	Column length	Ø Internal	Film thickness	Art. No.	Pack Qty.	DKK	DKK
GC capillary column ROTI®Cap-1	10 m	0.25 mm	0.25 µm	6081.1	1 unit(s)	1-642,50	1.394,25
	15 m	0.53 mm	1.00 µm	2849.1	1 unit(s)	2-392,50	2.031,75
		0.32 mm		6074.1	1 unit(s)	2-242,50	1.904,25
	25 m	0.25 mm	0.25 µm	6135.1	1 unit(s)	3-517,50	2.989,90
		0.32 mm		6148.1	1 unit(s)	3-742,50	3.179,25
	30 m			1220.1	1 unit(s)	3-742,50	3.179,25
	50 m	0.53 mm	5.00 µm	6222.1	1 unit(s)	6-667,50	5.667,40

SPE Accessories

-15%**SPE Vacuum Manifold CHROMABOND®**

Macherey-Nagel.

For **filtration** and solid **extraction**. Ideal for rapid **sample preparation**. Each tube position is equipped with a valve and can therefore be evacuated either individually or with the others. Each individual valve contains a Luer fitting, enabling filtration with a syringe filter or mounting of a disposable syringe. Inner body makes exact positioning of test tubes under each available opening.

Delivery incl. Glass cabinet with lid, lid gasket, plastic needles, vacuum gauge, control valve, Luer fittings, Luer valves (stopcocks), caps, variable rack, PP tank.

Version	Art. No.	Pack Qty.	DKK	DKK
for 12 positions, complete	1ECC.1	1 set	6.450,00	5.482,50
for 24 positions, complete	1ECE.1	1 set	9.487,50	8.064,40

**SPE Reservoir Columns CHROMABOND®**

Macherey-Nagel. Material: PP.

Delivery incl. 1 adaptor.

Version	Art. No.	Pack Qty.	DKK	DKK
30 ml with adaptor for 1,3,6 ml CHROMABOND® SPE PP columns	1LX3.1	10 unit(s)	729,75	620,25
70 ml with adaptor for 1,3,6 ml CHROMABOND® SPE PP columns	1LX4.1	10 unit(s)	780,00	663,00
70 ml with adaptor for 15,45,70 ml CHROMABOND® SPE PP columns	1LX5.1	10 unit(s)	1.080,00	918,00

**Collection Rack CHROMABOND®**

Macherey-Nagel.

To accommodate a variety of collection vessels for collecting eluates.

Version	Art. No.	Pack Qty.	DKK	DKK
12 positions	1H09.1	1 unit(s)	1.845,00	1.566,75
24 positions	1H0A.1	1 unit(s)	1.845,00	1.566,75
XTR	1HN7.1	1 set	6.037,50	5.131,90

Empty SPE columns CHROMABOND®

Macherey-Nagel.

Can be used with SPE vacuum manifolds (1ECC.1 or 1ECE.1) and other vacuum systems with Luer system. Excellent chemical resistance. Column outlet: Luer (male).

Delivery incl. filter elements.

Version	Ø x L (mm)	Art. No.	Pack Qty.	DKK	DKK
1 ml, polypropylene	7.5 x 65.8	1ECH.1	100 unit(s)	1.312,50	1.115,65
3 ml, polypropylene	10.7 x 74.7	1ECK.1	50 unit(s)	840,00	714,00
6 ml, polypropylene	14.5 x 77.9	1ECL.1	30 unit(s)	585,75	497,65
15 ml, polypropylene	17.5 x 90.4	1K1T.1	20 unit(s)	681,00	576,75
30 ml, polypropylene	22.6 x 98.6	1K1X.1	20 unit(s)	713,25	606,00
3 ml, glass	10.8 x 82.9	1ECN.1	50 unit(s)	1.672,50	1.421,65
6 ml, glass	14.4 x 80.0	1ECP.1	30 unit(s)	1.312,50	1.115,65

**Adapters for SPE Columns CHROMABOND®**

Macherey-Nagel.

For coupling of several CHROMABOND® columns of the same or different sizes or for coupling of disposable syringes with CHROMABOND® columns.

Version	Art. No.	Pack Qty.	DKK	DKK
For 1, 3, 6 ml PP columns	2996.2	10 unit(s)	633,75	538,50
For 3 and 6 ml glass columns	1L16.1	10 unit(s)	1.312,50	1.115,65

FRISENETTE

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