Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70 **Казахстан** +7(7172)727-132 **Киргизия** +996(312)96-26-47

www.sigmaaldrich.nt-rt.ru | | scx@nt-rt.ru

Технические характеристики на каустические щелочи и базы, металлы, наборы для колориметрических и титриметрических тестов компании Sigma-Aldrich

Виды товаров: металлы для фармакопейного анализа, колориметрические и титриметрические тест-наборы, растворы гидроксида, фосфазеновые основания, карбонаты натрия, амиды натрия, гидроксиды натрия и калия, растворы аммиака, каустики и основы для анализа и др.

Caustic Alkalis & Bases

Life Sciences—with its complex analyses, routine lab work, and production—demands unique and distinct solutions dictated by varied regulations.

Thereby your search for products requires careful consideration of your application and target.

To ease your search, we offer caustic alkalis and bases from three different portfolio brands, dedicated to three distinct types of applications:

- Supelco® products for analytical chemistry,
- Sigma-Aldrich® materials for lab and production,
- SAFC® products for biopharmaceutical and pharmaceutical development and manufacturing

Each brand offers a wide selection of bases and alkalis in a variety of volumes, different packaging materials, and necessary documents. You can search for the bases and alkalis as per the specific requirement of your application.

HIGH PURITY BASES FOR INSTRUMENTAL ANALYTICAL METHODS

We offer a comprehensive range of **LiChropur® high purity bases for HPLC and LC-MS analysis** to minimize background noise and signal suppression. These bases are application-tested by our quality control to meet our customers' expectations.

Suprapur® and Ultrapur® high-purity bases are designed to accommodate your needs for inorganic trace and ultra-trace analysis. Each one of our analytical reagents is manufactured to clear the guaranteed specifications. The large variety of modern analytical methods (ICP-OES, ICP-MS, AAS, etc.) allow tailored control and analysis procedures for each product.

CAUSTIC ALKALIS AND BASES FOR CLASSICAL ANALYSIS

Our comprehensive product range includes **EMSURE®** and **EMPLURA® caustic alkalis and bases** in various concentrations, quality grades, and packaging sizes. It includes sodium and potassium hydroxide pellets and their corresponding solutions as well as ammonia solutions to meet your specific needs. With our caustics and bases in your analysis, you get the benefit

of high-purity and batch-to-batch consistency ensuring reliable and reproducible analytical results.

We produce these chemicals in a dedicated plant at Merck KGaA in Darmstadt, Germany, using high-quality raw materials, ultra-modern production technology, and a sophisticated quality management system. This enables us to offer you caustic alkalis and bases of outstanding and defined quality including pellets of uniform size and with extremely low values of impurities.

Caustics and bases for analysis EMSURE® are our premium grade products for all regulated and highly demanding lab applications, featuring the best and most extensive product specifications worldwide. Most of our "for analysis EMSURE®" caustic alkalis and bases meet or exceed the requirements of various international standards such as ACS, ISO, and/or Reag. Ph Eur. Our caustics and bases designated EMPLURA® are ideal for preparative lab applications and cleaning purposes. Their specifications include the most important parameters. And if you have special requests not covered by our standard products, we also offer individual analysis or packaging solutions.

QUALITY SALTS FOR RESEARCH AND PRODUCTION

Our extensive range of Sigma-Aldrich® salts covers the most common grades within research and production, from reagent grade to our innovative **Redi-Dri® anhydrous salts** to 99.99%+ metals tested high purity salts. They are the high-quality and proven standard for quality buffers, chemical synthesis, separation, purification, extraction, and other research and production methods for everyday applications. Scalable from benchtop to bulk production materials, Sigma-Aldrich® provides reliable salts for your everyday needs.

BIOPHARMACEUTICAL AND PHARMACEUTICAL FORMULATION AND PRODUCTION PRODUCTS

In pharmaceutics, the regulatory world is everchanging. Keeping up with the latest requirements while not losing track of the market itself is definitely not an easy task to fulfill. And as the pressure caused by generics and biosimilars making their way into the market keeps rising, it becomes more and more important to focus on what really matters: quality and the right partner throughout your product journey.

We support you in every step of development, scale-up, and production with services that range from process optimization to regulatory affairs support. Our SAFC® portfolio of high-quality products for biopharmaceutical and pharmaceutical formulation and production withstands strict quality control procedures and is produced according to applicable cGMP guidelines.

As part of our Emprove® Program, our raw materials also come with extensive documentation facilitating compliance of your pharma and biopharma product, full supply chain transparency and risk mitigation.

VOLUMETRIC SOLUTIONS FOR TITRATION

Our Titripur® volumetric solutions and our Titrisol® concentrates offer a range of alkaline solution in different concentrations for quantifying compounds with the titration method. They are produced and analyzed under high-quality standards. The Titripur® solutions are

analyzed by our DIN EN ISO/IEC 17025 accredited quality control lab. An innovation are our digital products with an RFID tag on the bottles to transfer data seamlessly.

277282
1,1-Dimethylpropylmagnesium chloride solution
1.0 M in diethyl ether

52586
1,1,1,3,3,3-Hexakis(dimethylamino)diphosphazenium tetrafluoroborate
≥98.0% (T)

358754
1,3,4,6,7,8-Hexahydro-2*H*-pyrimido[1,2-*a*]pyrimidine, polymer-bound
200-400 mesh, extent of labeling: 2.6 mmol/g loading, 2 % cross-linked with divinylbenzene

V900155
1,4-Diazabicyclo[2.2.2]octane
Vetec™, reagent grade, 98%

D27802
1,4-Diazabicyclo[2.2.2]octane
ReagentPlus®, ≥99%

33471
1,5-Diazabicyclo[4.3.0]non-5-ene
purum, ≥98.0% (GC)

136581
1,5-Diazabicyclo[4.3.0]non-5-ene
98%

345571
1,5,7-Triazabicyclo[4.4.0]dec-5-ene
98%

33482
1,8-Diazabicyclo[5.4.0]undec-7-ene
puriss., ≥99.0% (GC)

139009
1,8-Diazabicyclo[5.4.0]undec-7-ene
98%

20-160
1M Tris-HCl, pH 6.5
1M Tris-HCl, pH 6.5.

20615
2-*tert*-Butyl-1,1,3,3-tetramethylguanidine
≥97.0% (GC)

20025
2-*tert*-Butylimino-2-diethylamino-1,3-dimethylperhydro-1,3,2-diazaphosphorine
purum, ≥98.0% (GC)

550213
2,2-Dimethylpropylmagnesium chloride solution
1.0 M in diethyl ether

757969
2,2-Dimethylpropylmagnesium chloride solution
1.0 M in THF

115754
2,2,6,6-Tetramethylpiperidine
≥99%

L3900
2,6-Lutidine
ReagentPlus®, 98%

336106
2,6-Lutidine

565881
2,8,9-Triisobutyl-2,5,8,9-tetraaza-1-phosphabicyclo[3.3.3]undecane
97%

556955
2,8,9-Triisopropyl-2,5,8,9-tetraaza-1-phosphabicyclo[3,3,3]undecane

463558
2,8,9-Trimethyl-2,5,8,9-tetraaza-1-phosphabicyclo[3.3.3]undecane

598151
2,8,9-Trimethyl-2,5,8,9-tetraaza-1-phosphabicyclo[3.3.3]undecane hydrochloride
96%

107700
4-(Dimethylamino)pyridine
ReagentPlus®, ≥99%

39405
4-(Dimethylamino)pyridine
purum, ≥98.0% (NT)

738700
4-Piperidinopyridine
97%

00090
Acetaldehyde ammonia trimer
≥96.0% (NT)

09830
Ammonium bicarbonate
BioUltra, ≥99.5% (T)

11213
Ammonium bicarbonate
puriss., meets analytical specification of Ph.Eur., BP, E 503, 99-101%

11204
Ammonium carbonate
puriss., meets analytical specification of NF, Ph. Franc., FCC

207861
Ammonium carbonate
ACS reagent, ≥30.0% NH_3 basis

31119-M
Ammonium sulfate
puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., ≥99%

202711
Barium carbonate
99.999% trace metals basis

329436
Barium carbonate
99.98% trace metals basis

237108
Barium carbonate
ACS reagent, ≥99%

600202
Barium carbonate-^{13}C
90 atom % ^{13}C

277193
Barium carbonate-^{13}C
98 atom % ^{13}C

433373
Barium hydroxide
technical grade, ~95%

450170
Barium hydroxide hydrate
99.995% trace metals basis

342386
Barium hydroxide monohydrate
98%

B2507
Barium hydroxide octahydrate
≥98%

217573
Barium hydroxide octahydrate
ACS reagent, ≥98%

B4059
Barium hydroxide solution
0.3 N

246034
Benzyltrimethylammonium hydroxide solution
40 wt. % in H_2O

10317
Bismuth(III) carbonate basic
puriss., meets analytical specification of Ph. Eur., 80-82.5% Bi basis (calc. on dried substance)

291005
Butylmagnesium chloride solution
2.0 M in THF

224375
Butylmagnesium chloride solution
2.0 M in diethyl ether

239232
Calcium hydroxide
ACS reagent, ≥95.0%

20960
Cesium carbonate
purum p.a., ≥98.0% (T)

554855
Cesium carbonate
99.95% trace metals basis

255645
Cesium carbonate
99.995% trace metals basis

202126
Cesium carbonate
99.9% trace metals basis

441902
Cesium carbonate
ReagentPlus®, 99%

C8518
Cesium hydroxide hydrate
≥90%, ≥99.5% (metals basis)

516988
Cesium hydroxide monohydrate
99.95% trace metals basis

562505

Cesium hydroxide monohydrate
≥99.5% trace metals basis

232068
Cesium hydroxide solution
50 wt. % in H_2O, 99% trace metals basis

232041
Cesium hydroxide solution
50 wt. % in H_2O, 99.9% trace metals basis

292257
Choline hydroxide solution
46 wt. % in H_2O

202193
Cobalt(II) carbonate hydrate
Co 43-47 %

207896
Copper(II) carbonate basic
reagent grade

36813
Diethyldimethylammonium hydroxide solution
~20% in H_2O (T)

D93856
Diethylenetriamine
ReagentPlus®, 99%

471208
Ethylamine solution
66.0-72.0% in H_2O

561452
Ethyllithium solution
0.5 M in benzene: cyclohexane

189871
Ethylmagnesium bromide solution
3.0 M in diethyl ether

345105
Ethylmagnesium bromide solution
1.0 M in *tert*-butyl methyl ether

364673
Ethylmagnesium bromide solution
1.0 M in THF

303828
Ethylmagnesium chloride solution
2.0 M in THF

300330
Ethylmagnesium chloride solution
2.0 M in diethyl ether

52387
Hexadecyltrimethylammonium hydroxide solution
~25% in methanol (T)

439231
Hexadecyltrimethylammonium hydroxide solution
10 wt. % in H_2O

52605
Hexamethonium hydroxide solution
~0.1 M in H_2O

468568
Hexyllithium solution
2.3 M in hexane

255025
Hexylmagnesium bromide solution
2.0 M in diethyl ether

641626
Hexylmagnesium chloride solution
2.0 M in THF

225819
Hydrazine hydrate
reagent grade, N_2H_4 50-60 %

445274
Imino-tris(dimethylamino)phosphorane
97%

58565
Isobutyllithium solution
technical, ~16% in heptane (~1.7 M)

338257
Isobutylmagnesium bromide solution
2.0 M in diethyl ether

479683
Isobutylmagnesium chloride solution
2.0 M in THF

225746
Isobutylmagnesium chloride solution
2.0 M in diethyl ether

529745
Isopropyllithium solution
0.7 M in pentane

656984
Isopropylmagnesium chloride lithium chloride complex solution
1.3 M in THF

224383
Isopropylmagnesium chloride solution
2.0 M in diethyl ether

230111
Isopropylmagnesium chloride solution
2.0 M in THF

735353
Lithium 2,2,6,6-tetramethylpiperidide
97%

213217
Lithium amide
powder, 95%

324620
Lithium bis(trimethylsilyl)amide
97%

224367

Lithium bis(trimethylsilyl)amide solution
1.0 M in hexanes

577928
Lithium bis(trimethylsilyl)amide solution
1 M in toluene

577014
Lithium bis(trimethylsilyl)amide solution
1 M in *tert*-butyl methyl ether

225770
Lithium bis(trimethylsilyl)amide solution
1.0 M in THF

431559
Lithium carbonate
99.99% trace metals basis

62470
Lithium carbonate
puriss. p.a., ACS reagent, reagent (for microscopy), ≥99.0% (T)

255823
Lithium carbonate
ACS reagent, ≥99.0%

301124
Lithium dicyclohexylamide
97%

296074
Lithium diethylamide
≥95%

246611
Lithium diisopropylamide
97%

361798
Lithium diisopropylamide solution
2.0 M in THF/heptane/ethylbenzene

296066
Lithium dimethylamide

95%

909025
Lithium hydroxide
free-flowing, Redi-Dri™, powder, reagent grade, ≥98%

545856
Lithium hydroxide
powder, reagent grade, ≥98%

442410
Lithium hydroxide
reagent grade, 98%

L4533
Lithium hydroxide monohydrate
BioXtra, 98.5-101.5% (titration)

402974
Lithium hydroxide monohydrate
ACS reagent, ≥98.0%

13020
Lithium hydroxide monohydrate
purum, ≥98.5%

62574
Lithium nitrate
BioUltra, ≥99.0% (calc. on dried substances, T)

345474
Lithium trimethylsilanolate
95%

692352
Magnesium bis(hexamethyldisilazide)
97%

63032
Magnesium carbonate basic
tested according to Ph. Eur., heavy

13118
Magnesium carbonate basic
purum, light, ≥40% Mg (as MgO) basis, powder (light)

63062
Magnesium carbonate basic
purum p.a., heavy, ≥40% (MgO)

227668
Magnesium carbonate hydroxide hydrate
99%

M5671
Magnesium carbonate hydroxide pentahydrate
BioXtra

310093
Magnesium hydroxide
reagent grade, 95%

293091
Methyl-d_3-magnesium iodide solution
1.0 M in diethyl ether, 99 atom % D

426466
Methylamine solution
40 wt. % in H_2O

514330
Methyllithium solution
3.1 M in diethoxymethane

197343
Methyllithium solution
1.6 M in diethyl ether

302430
Methylmagnesium bromide solution
1.0 M in dibutyl ether

282235
Methylmagnesium bromide solution
1.4 M in THF: toluene (1:3)

257087
Methylmagnesium bromide solution
3.0 M in diethyl ether

189898

Methylmagnesium bromide solution
3.0 M in diethyl ether

☐

189901
Methylmagnesium chloride solution
3.0 M in THF

☐

254363
Methylmagnesium iodide solution
3.0 M in diethyl ether

☐

493813
Morpholine, polymer-bound
200-400 mesh, extent of labeling: 2.75-3.25 mmol/g loading, 1 % cross-linked

☐

752142
***n*-Butyl-*sec*-butylmagnesium solution**
0.7 M in hexane

☐

20159
***n*-Butyllithium solution**
2.7 M in heptane

☐

230715
***n*-Butyllithium solution**
11.0 M in hexanes

☐

230707
***n*-Butyllithium solution**
2.5 M in hexanes

☐

186171
***n*-Butyllithium solution**
1.6 M in hexanes

☐

302120
***n*-Butyllithium solution**
2.0 M in cyclohexane

☐

03440
***N*-Ethyldiisopropylamine**
BASF quality, ≥98.0%

☐

38431
***N*,*N*-Diisopropylmethylamine**

≥98.0% (GC)

544183
Nickel carbonate, basic hydrate
99.9% trace metals basis

290998
Pentylmagnesium bromide solution
2.0 M in diethyl ether

79408
Phosphazene base P_1-t-Bu
≥97.0% (GC)

79432
Phosphazene base P_1-t-Bu-tris(tetramethylene)
≥97.0% (NT)

79412
Phosphazene base P_1-t-Oct
≥97.0%

79417
Phosphazene base P_2-Et
≥98.0% (NT)

494615
Piperidine, polymer-bound
extent of labeling: 3.0-4.0 mmol/g loading, 1 % cross-linked with divinylbenzene

12602
Potassium bicarbonate
puriss., meets analytical specification of Ph. Eur., BP, USP, E501, 99.5-101.0% (acidimetric)

237205
Potassium bicarbonate
ACS reagent, 99.7%, powder, crystals or granules

324671
Potassium bis(trimethylsilyl)amide
95%

702722
Potassium bis(trimethylsilyl)amide solution
1 M in THF

347825
Potassium carbonate
reagent grade, ≥98%, powder, −325 mesh

367877
Potassium carbonate
99.995% trace metals basis

60108
Potassium carbonate
BioUltra, anhydrous, ≥99.0% (T)

590681
Potassium carbonate
anhydrous, powder, 99.99% trace metals basis

60109
Potassium carbonate
puriss. p.a., ACS reagent, anhydrous, ≥99.0% (T)

P5833
Potassium carbonate
BioXtra, ≥99.0%

209619
Potassium carbonate
ACS reagent, ≥99.0%

791776
Potassium carbonate
anhydrous, free-flowing, Redi-Dri™, ACS reagent, ≥99%

900502
Potassium carbonate
anhydrous, free-flowing, −325 mesh, Redi-Dri™, reagent grade, ≥98%

12611
Potassium carbonate
meets analytical specification of Ph. Helv., puriss., anhydrous, granulated, 99-101% (calc. to the dried substance)

900501
Potassium carbonate
anhydrous, free-flowing, Redi-Dri™, *ReagentPlus*®, 99%

243558
Potassium carbonate sesquihydrate
ACS reagent, 99%

60128
Potassium chloride
BioUltra, for molecular biology, ≥99.5% (AT)

484016
Potassium hydroxide
reagent grade, 90%, flakes

60377
Potassium hydroxide
tested according to Ph. Eur.

484016
Potassium hydroxide
reagent grade, 90%, flakes

06103
Potassium hydroxide
technical, ≥85%, powder

P1767
Potassium hydroxide
≥85% KOH basis, pellets, white

P5958
Potassium hydroxide
BioXtra, ≥85% KOH basis

30603
Potassium hydroxide
pellets, reag. Ph. Eur., ≥85%

221473
Potassium hydroxide
ACS reagent, ≥85%, pellets

306568
Potassium hydroxide
semiconductor grade, pellets, 99.99% trace metals basis (Purity excludes sodium content.)

06005

Potassium hydroxide
puriss., meets analytical specification of Ph. Eur., BP, 85-100.5%, pellets

417661
Potassium hydroxide solution
45 wt. % in H_2O

324868
Potassium trimethylsilanolate
90%, technical grade

224391
Propylmagnesium chloride solution
2.0 M in diethyl ether

158496
Proton-sponge®
99%

251437
Rubidium carbonate
99.8% trace metals basis

289310
Rubidium carbonate
99% (trace metals analysis)

401293
Rubidium hydroxide hydrate

243892
Rubidium hydroxide solution
50 wt. % in H_2O, 99.9% trace metals basis

195596
***sec*-Butyllithium solution**
1.4 M in cyclohexane

224421
***sec*-Butylmagnesium chloride solution**
2.0 M in diethyl ether

208329
Sodium amide
98%

432504
Sodium amide
95%

235083
Sodium bis(trimethylsilyl)amide
95%

223484
Sodium carbonate
ACS reagent (primary standard), anhydrous, 99.95-100.05% dry basis

S7795
Sodium carbonate
BioXtra, ≥99.0%

451614
Sodium carbonate
anhydrous, powder, 99.999% trace metals basis

222321
Sodium carbonate
ACS reagent, anhydrous, ≥99.5%, powder or granules

900505
Sodium carbonate
anhydrous, free-flowing, Redi-Dri™, *ReagentPlus*®, ≥99.5%

900504
Sodium carbonate
anhydrous, free-flowing, Redi-Dri™, ACS reagent (primary standard), 99.95-100.05% dry basis

13418
Sodium carbonate
puriss., meets analytical specification of Ph. Eur., BP, NF, FCC, E500, anhydrous, 99.5-100.5% (calc. to the dried substance)

S2127
Sodium carbonate
ReagentPlus®, ≥99.5%

791768
Sodium carbonate
anhydrous, free-flowing, Redi-Dri™, ACS reagent, ≥99.5%

900503
Sodium carbonate
anhydrous, powder or granules, free-flowing, Redi-Dri™, ACS reagent, ≥99.5%

223530
Sodium carbonate
powder, ≥99.5%, ACS reagent

13418-M
Sodium carbonate
puriss., meets analytical specification of Ph. Eur., BP, NF, FCC, E500, anhydrous, 99.5-100.5% (calc. to the dried substance)

577782
Sodium carbonate decahydrate
99.999% trace metals basis

71360
Sodium carbonate decahydrate
puriss. p.a., ≥99.0% (T)

13568
Sodium carbonate monohydrate
puriss., meets analytical specification of Ph. Eur., BP, NF, FCC, E500, 99.5-100.5% (ex dried subst.)

S4132
Sodium carbonate monohydrate
ReagentPlus®, ≥99.5%

230952
Sodium carbonate monohydrate
ACS reagent, ≥99.5%

71687
Sodium hydroxide
BioUltra, for luminescence, ≥98.0% (T), pellets

484024
Sodium hydroxide
reagent grade, 97%, flakes

S5881
Sodium hydroxide
reagent grade, ≥98%, pellets (anhydrous)

221465
Sodium hydroxide
ACS reagent, ≥97.0%, pellets

S8045
Sodium hydroxide
BioXtra, ≥98% (acidimetric), pellets (anhydrous)

795429
Sodium hydroxide
anhydrous, free-flowing, pellets, Redi-Dri™, ACS reagent, ≥97%

71690
Sodium hydroxide
puriss. p.a., ACS reagent, K ≤0.02%, ≥98.0% (T), pellets

655104
Sodium hydroxide
reagent grade, 97%, powder

30620
Sodium hydroxide
puriss. p.a., ACS reagent, reag. Ph. Eur., K ≤0.02%, ≥98%, pellets

306576
Sodium hydroxide
pellets, semiconductor grade, 99.99% trace metals basis

06203
Sodium hydroxide
puriss., meets analytical specification of Ph. Eur., BP, NF, E524, 98-100.5%, pellets

901915
Sodium hydroxide
anhydrous, free-flowing, Redi-Dri™, reagent grade, ≥98%, pellets

367176
Sodium hydroxide
beads, 16-60 mesh, reagent grade, 97%

30620-M
Sodium hydroxide
puriss. p.a., ACS reagent, reag. Ph. Eur., K ≤0.02%, ≥98%, pellets

567530

Sodium Hydroxide, Pellets

329576
Sodium trimethylsilanolate
95%

289833
Strontium carbonate
≥98%

472018
Strontium carbonate
≥99.9% trace metals basis

204455
Strontium carbonate
99.995% trace metals basis

433608
Strontium hydroxide
94%

463752
Strontium hydroxide octahydrate
99.995% trace metals basis

415219
Strontium hydroxide octahydrate
95%

94439
***tert*-Butyllithium solution**
1.6-3.2 M in heptane

186198
***tert*-Butyllithium solution**
1.7 M in pentane

224499
***tert*-Butylmagnesium chloride solution**
2.0 M in diethyl ether

364649
***tert*-Butylmagnesium chloride solution**
1.0 M in THF

540293
Tetraalkylammonium carbonate, polymer-bound
macroporous, 40-90 mesh, extent of labeling: 2.5-3.5 mmol/g loading

540285
Tetraalkylammonium carbonate, polymer-bound
macroporous, 18-50 mesh, extent of labeling: 2.5-3.5 mmol/g N loading

86859
Tetrabutylammonium hydroxide 30-hydrate
≥99.0% (T)

86866
Tetrabutylammonium hydroxide 30-hydrate
≥98.0% (T)

178780
Tetrabutylammonium hydroxide solution
40 wt. % in H_2O

86863
Tetrabutylammonium hydroxide solution
53.5-56.5% in H_2O

86880
Tetrabutylammonium hydroxide solution
technical, ~40% in H_2O (~1.5 M)

438294
Tetrabutylphosphonium hydroxide solution
40 wt. % in H_2O

177806
Tetraethylammonium hydroxide solution
20 wt. % in H_2O

302929
Tetraethylammonium hydroxide solution
35 wt. % in H_2O

87306
Tetrahexylammonium hydroxide solution
~40% in H_2O (T)

87741
Tetramethylammonium hydroxide pentahydrate
≥95.0% (T)

426318
Tetramethylammonium hydroxide solution
ACS reagent

328251
Tetramethylammonium hydroxide solution
10 wt. % in H_2O

331635
Tetramethylammonium hydroxide solution
25 wt. % in H_2O

88005
Tetrapentylammonium hydroxide solution
~20% in H_2O (T)

254533
Tetrapropylammonium hydroxide solution
1.0 M in H_2O

90340
Triethylamine
puriss. p.a., ≥99.5% (GC)

16304
Triethylamine
purum, ≥99% (GC)

90337
Triethylamine
for amino acid analysis, ≥99.5% (GC)

90338
Triethylamine
for protein sequence analysis, ampule, ≥99.5% (GC)

79267
Trimethylphenylammonium hydroxide solution
~25% in H_2O (1.68 M)

96466
Zinc carbonate basic
purum p.a., ≥58% Zn basis (KT)

Metals

Achieve reliable results with our extensive product line including metals, metal salts, and metal oxides in various grades, that are ideal for a variety of applications in R&D, production, and quality control. With selected raw materials, state-of-the-art production technology, and stringent quality management, we guarantee to deliver premium high purity and quality products for wide analytical applications.

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L9650

Lithium chloride

for molecular biology, ≥99%

PROPERTIES

for molecular biology
200
≥99%
powder
605 °C (lit.)
H_2O: 100 mg/mL at 20 °C, clear, colorless
sulfate (SO_4^{2-}): ≤0.01%
Ba: ≤0.003%
Fe: ≤0.001%

K: ≤0.01%
Na: ≤0.20%
heavy metals (as Pb): ≤0.002%

DNase, NICKase, RNase, protease, none detected
[Li+].[Cl-]
1S/ClH.Li/h1H;/q;+1/p-1
KWGKDLIKAYFUFQ-UHFFFAOYSA-M

M2643

Magnesium sulfate

Essential+ Grade

BioReagent, suitable for cell culture, suitable for insect cell culture

PROPERTIES

<0.01 (vs air)
200
<0.1 mmHg (20 °C)
BioReagent
powder
cell culture | insect: suitable
cell culture | mammalian: suitable

[Mg++].[O-]S([O-])(=O)=O
1S/Mg.H2O4S/c;1-5(2,3)4/h;(H2,1,2,3,4)/q+2;/p-2
CSNNHWWHGAXBCP-UHFFFAOYSA-L

F8508

Iron(III) nitrate nonahydrate

Essential+ Grade

BioReagent, suitable for cell culture

PROPERTIES

BioReagent
200
98-101%
cell culture | mammalian: suitable
47 °C (lit.)
O.O.O.O.O.O.O.O.O.[Fe+3].[O-][N+]([O-])=O.[O-][N+]([O-])=O.[O-][N+]([O-])=O
1S/Fe.3NO3.9H2O/c;3*2-1(3)4;;;;;;;;;/h;;;;9*1H2/q+3;3*-1;;;;;;;;;
SZQUEWJRBJDHSM-UHFFFAOYSA-N

L4408

Lithium chloride

BioXtra, ≥99.0% (titration)

PROPERTIES

BioXtra
200
≥99.0% (titration)
powder
≤0.002% Phosphorus (P)
≤0.1% Insoluble matter

605 °C (lit.)
H_2O: 1 M, clear, colorless
sulfate (SO_4^{2-}): ≤0.01%
Al: ≤0.0005%
Ba: ≤0.002%
Ca: ≤0.005%
Cu: ≤0.0005%
Fe: ≤0.002%
K: ≤0.005%
Mg: ≤0.005%
NH_4^+: ≤0.1%
Na: ≤0.005%
Pb: ≤0.001%
Zn: ≤0.001%

[Li+].[Cl-]
1S/ClH.Li/h1H;/q;+1/p-1
KWGKDLIKAYFUFQ-UHFFFAOYSA-M

L4533

Lithium hydroxide monohydrate

Premium Grade

BioXtra, 98.5-101.5% (titration)

PROPERTIES

BioXtra
200
98.5-101.5% (titration)
≤0.0005% Phosphorus (P)
≤0.1% Insoluble matter

H_2O: 1 M, clear to slightly hazy, colorless

chloride (Cl^-): ≤0.05%
sulfate (SO_4^{2-}): ≤0.05%

Al: ≤0.0005%
Ca: ≤0.005%
Cu: ≤0.0005%
Fe: ≤0.0005%
K: ≤0.005%
Mg: ≤0.0005%
NH_4^+: ≤0.05%
Na: ≤0.01%
Pb: ≤0.001%
Zn: ≤0.0005%

[Li+].O.[OH-]
1S/Li.2H2O/h;2*1H2/q+1;;/p-1
GLXDVVHUTZTUQK-UHFFFAOYSA-M

A0843

Aluminum sulfate

PROPERTIES

USP/NF
meets USP testing specifications

200
powder
1.69 g/mL at 25 °C (lit.)
pharmaceutical (small molecule)
[Al+3].[Al+3].[H]O[H].[O-]S([O-])(=O)=O.[O-]S([O-])(=O)=O.[O-]S([O-])(=O)=O
1S/2Al.3H2O4S.H2O/c;;3*1-5(2,3)4;/h;;3*(H2,1,2,3,4);1H2/q2*+3;;;;/p-6
BUACSMWVFUNQET-UHFFFAOYSA-H

Colorimetric & Titrimetric Test Kits

Water testing is important for everyone's good health. Wastewater, industrial water, ground and surface water, seawater, drinking or bottled water, swimming pools, boilers, and coolers,

should all be regularly tested and according to legislation. We offer easy, fast, and direct read-out using color cards, disks or vessels for quick and precise testing from high, to medium, to low concentrations. No special training is required – simply follow the illustrated instructions. Despite their simplicity, rapid visual tests offer unparalleled reliability.

Our visual tests and accessories allow the quick and precise measurement of all major parameters for water analysis on the spot: pH, ammonium, biological oxygen demand (BOD), carbonate, total and residual hardness, nitrate, nitrite, phosphate, and oxygen. Our kits are highly stable and can be stored for up to three years at 15-25 °C. Check your water quality easily! Stay within authorized values or below thresholds with our MQuant® colorimetric and titrimetric tests solutions.

N7285

Ninhydrin Reagent

2% Solution

DESCRIPTION

PROPERTIES

200
liquid
2-8°C

Application

Ninhydrin reagent has been used to confirm the presence of the amino acid moieties in various reactions.[1][2]
Ninhydrin reagents can be used in thin layer chromatography (TLC). Ninhydrin reagents have been used to develop and validate a simple, selective, and precise densitometric method for analysis of a-aminocephalosporins, both in bulk drugs and in formulations. Ninhydrin reagents have also been used to observe differences in the reference ranges of several plasma and urine amino acids between Singaporean and Caucasian populations.

Biochem/physiol Actions

Ninhydrin is a tricyclic 1,2,3-trione,[3] which functions as an amino acid reagent.[4] It is a vital organic building block,[5] which exposes latent fingerprints on porous surfaces like paper, cardboard and raw wood.[4] Ninhydrin is used to detect primary and secondary amines. It gives a strong blue color with primary amines and a less intense brown-red color with secondary amine.[6]

Other Notes

Ninhydrin and hydrindantin in DMSO and lithium acetate buffer, pH 5.2

Caution

Store under nitrogen in the refrigerator after use

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Россия +7(495)268-04-70
Казахстан +7(7172)727-132
Киргизия +996(312)96-26-47

www.sigmaaldrich.nt-rt.ru | | scx@nt-rt.ru