

Среды для высушивания

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Desiccants are chemicals used to reduce or remove water. They are capable of absorbing or adsorbing water and/or moisture, which helps to keep the environment dry or protect moisture-sensitive products.



Calcium chloride anhydrous, granulated, EssentQ®

- Synonyms: Chloro calcium
- CaCl_2
- $M = 110,99 \text{ g/mol}$
- CAS [10043-52-4]
- EINECS-No.: 233-140-8
- Solub. in water: (20 °C): 740 g/l
- Melting point: 772 °C
- Boiling point: > 1600 °C
- LD 50 (oral, rat): 1000 mg/kg
- EC-Index-No.: 017-013-00-2
- GHS-signal word: Warning
- GHS-H sentences: H319
- GHS-P sentences: P280 - P264 - P305+P351+P338 - P301+P312 - P337+P313 - P501a
- Tariff number: 2827 20 00 00
- Applications: analytical chemistry, laboratory reagent, desiccant.

SPECIFICATIONS

assay (complexometric): min. 94 %
insoluble in water : max. 0,1 %
sulfates (SO_4): max. 0,05 %
barium (Ba) : max. 0,01 %
heavy metals (as Pb): max. 0,002 %
iron (Fe): max. 0,005 %
magnesium (Mg): max. 0,1 %



Calcium oxide, natural, blocks

- Synonyms: Lime, caustic; Quicklime
- CaO
- M = 56,08 g/mol
- CAS [1305-78-8]
- EINECS-No.: 215-138-9
- Solub. in water: (20 °C): 1,65 g/l (exothermic reaction)
- Melting point: 2580 °C
- Boiling point: 2850 °C
- ADR: 8 C6 III UN 1910
- IMDG: 8 III UN 1910
- IATA/ICAO: 8 III UN 1910
- GHS-signal word: Danger
- GHS-H sentences: H318
- GHS-P sentences: P280 - P305+P351+P338 - P310
- Tariff number: 2825 90 19 00
- Applications: analytical chemistry, for pharmaceutical use, absorbent for: water and carbon dioxide, laboratory reagent.

SPECIFICATIONS

assay (complexometric): min. 90 %
 chlorides (Cl): max. 0,05 %
 sulfates (SO₄): max. 0,1 %
 copper (Cu): max. 0,01 %
 iron (Fe): max. 0,1 %
 nickel (Ni): max. 0,01 %
 lead (Pb): max. 0,01 %

Volume

x 500 g

Reference

[CA02600500](#)

Packaging

x 500 g :: Plastic bottle

Volume

x 1 kg

Reference

[CA02601000](#)

Packaging

x 1 kg :: Plastic bottle

Volume

x 5 kg

Reference

[CA0260005P](#)

Packaging

x 5 kg :: Plastic container

Volume

x 25 kg

Reference

[CA0260025P](#)

Packaging

x 25 kg :: Plastic container



di-Phosphorus pentoxide, EssentQ®

- Synonyms: Phosphoric anhydride
- P₂O₅

- M = 141,96 g/mol
- CAS [1314-56-3]
- EINECS-No.: 215-236-1
- Solub. in water: (20 °C): hydrolysis reaction
- Melting point: ~ 580 - 585 °C
- Boiling point: 591 °C
- Vapour pressure: (20 °C) < 0,1 hPa
- EC-Index-No.: 015-010-00-0
- ADR: 8 C2 II UN 1807
- IMDG: 8 II UN 1807
- IATA/ICAO: 8 II UN 1807
- GHS-signal word: Danger
- GHS-H sentences: H314 - EUH014
- GHS-P sentences: P260 - P303+P361+P353 - P305+P351+P338 - P310 - P405 - P501a
- Tariff number: 2809 10 00 00
- Applications: analytical chemistry, synthesis of organic products, manufacture of dyes, desiccant.

SPECIFICATIONS

assay (acidimetric): min. 97 %



Magnesium sulfate anhydrous, suitable for QuEChERS

- MgSO₄
- M = 120,37 g/mol
- CAS [7487-88-9]
- EINECS-No.: 231-298-2
- Solub. in water: (20 °C): 269 g/l
- Melting point: 1124 °C
- Tariff number: 2833 21 00 00
- Applications: analytical chemistry, manufacture of dyes, in fertilizer compositions, in explosive compositions, cosmetics, desiccant.

SPECIFICATIONS

assay (complexometric): min. 98 %
 calcium sulfate (CaSO₄): max. 0,5 %
 potassium chloride (KCl): max. 0,1 %
 potassium sulfate (K₂SO₄): max. 1,5 %
 sodium chloride (NaCl): max. 0,1 %
 iron (Fe): max. 0,01 %
 manganese (Mn): max. 0,1 %
 loss on ignition (600 °C): max. 1 %



Molecular sieve 3 Å, pearl-shaped, 2 - 3 mm

- Synonyms: Sodium aluminium silicate
- Solub. in water: (20 °C): insoluble
- LD 50 (oral, rat): > 5110 mg/kg
- Tariff number: 3824 90 15 90
- Applications: analytical chemistry, stabilizer, complexant agent.

SPECIFICATIONS

pore diameter : 3 Å



Molecular sieve 4 Å, pearl-shaped, 2 - 3 mm

- Synonyms: Sodium aluminium silicate
- Solub. in water: (20 °C): insoluble
- LD 50 (oral, rat): > 5110 mg/kg
- Tariff number: 3824 90 15 90
- Applications: analytical chemistry, stabilizer, complexant agent.

SPECIFICATIONS
pore diameter : 4 Å



Silica gel with humidity indicator (orange), 1 - 3 mm

- Solub. in water: (20 °C): 1 g/l
- Melting point: > 1000 °C
- Tariff number: 2811 22 00 90
- Applications: desiccant.

SPECIFICATIONS
absorption capacity at 40%: min. 20 %
loss on drying (180 °C) : max. 2 %



Silica gel with humidity indicator (orange), 2,5 - 6 mm

- Solub. in water: (20 °C): insoluble
- Melting point: > 1000 °C
- Tariff number: 2811 22 00 90
- Applications: analytical chemistry, chromatography.

SPECIFICATIONS
absorption capacity at 50%: min. 23 %
loss on drying (180 °C) : max. 2 %



Siliceous earth, purified and calcined, Pharmapur®, NF

- Synonyms: Infusorial earth, Diatomaceous earth, Diatomite
- SiO₂
- M = 60,08 g/mol
- CAS [68855-54-9]
- EINECS-No.: 272-489-0
- Solub. in water: (20 °C): almost insoluble
- Melting point: > 450 °C
- Boiling point: 2230 °C
- GHS-P sentences: P308+P311
- Tariff number: 2512 00 00 00
- Applications: for laboratory uses, in pharma industry.

SPECIFICATIONS

solubility in water: max. 0,2 %
soluble in acid : max. 2,0 %
arsenic eliminated by washing: max. 10 ppm
lead eliminated by washing: max. 10 ppm
loss on drying (105 °C): max. 0,5 %
residue on ignition (980 °C): max. 2,0 %
limit of nonsiliceous substances: passes test



Sodium sulfate anhydrous, powder, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

- Synonyms: Sulfuric acid sodium salt
- Na₂SO₄
- M = 142,04 g/mol
- CAS [7757-82-6]
- EINECS-No.: 231-820-9
- Solub. in water: (20 °C): 160 g/l
- Melting point: 888 °C
- Boiling point: > 890 °C (decomposes)
- Tariff number: 2833 11 00 00
- Applications: analytical chemistry, organic solvents drying.

SPECIFICATIONS

assay: 99 - 101 %
identification: passes test
appearance of solution: clear and colourless
insoluble matter: max. 0,01 %
pH (5 %, H₂O): 5,2 - 8,0
acidity or alkalinity: passes test
nitrogen compounds (as N): max. 0,0005 %
chlorides (Cl): max. 0,001 %
phosphates (as PO₄): max. 0,001 %
arsenic (As): max. 1 ppm
calcium (Ca): max. 0,005 %
heavy metals (as Pb): max. 0,0005 %
iron (Fe): max. 5 ppm
magnesium (Mg): max. 0,001 %
potassium (K): max. 0,002 %
zinc (Zn): max. 0,01 %
loss on ignition (600 °C): max. 0,5 %



Sodium sulfate anhydrous, powder, Pharmpur®, Ph Eur

- Synonyms: Sulfuric acid sodium salt
- Na₂SO₄
- M = 142,04 g/mol
- CAS [7757-82-6]
- EINECS-No.: 231-820-9
- Solub. in water: (20 °C): 160 g/l
- Melting point: 888 °C
- Boiling point: > 890 °C (decomposes)
- Tariff number: 2833 11 00 00
- Applications: analytical chemistry, organic solvents drying.

SPECIFICATIONS

assay (on dried sample): 98,5 - 101,0 %
Identification sulfates: passes test
Identification sodium: passes test
appearance of solution: clear and colourless
acidity or alkalinity: passes test
chlorides (Cl): max. 450 ppm
calcium (Ca): max. 450 ppm
iron (Fe): max. 90 ppm
magnesium (Mg): max. 200 ppm
loss on drying (130 °C): max. 0,5 %



Zinc chloride, EssentQ®

- ZnCl₂
- M = 136,28 g/mol
- CAS [7646-85-7]
- EINECS-No.: 231-592-0
- Solub. in water: (20 °C): soluble
- Melting point: 318 °C
- Boiling point: 730 °C
- LD 50 (oral, rat): 350 mg/kg
- EC-Index-No.: 030-003-00-2
- ADR: 8 C2 III UN 2331
- IMDG: 8 III UN 2331
- IATA/ICAO: 8 III UN 2331
- GHS-signal word: Danger
- GHS-H sentences: H314 - H400 - H410 - H302
- GHS-P sentences: P260 - P303+P361+P353 - P305+P351+P338 - P310 - P405 - P501a
- Tariff number: 2827 39 85 90
- Applications: analytical chemistry, laboratory reagent, catalyst, synthesis of organic products.
- Appearance: White crystalline powder

SPECIFICATIONS

assay (complexometric): min. 97 %
pH (10 %, H₂O): 4,6 - 5,5
sulfates (SO₄): max. 0,05 %
iron (Fe): max. 0,005 %

Volume

x 2,5 kg

Reference

[CI01592500](#)

Packaging

x 2,5 kg :: Plastic bottle

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