

SODIUM SILICATE, NEUTRAL SOLUTION

SO0640 Sodium silicate, neutral solution, EssentQ®



- Na_2SiO_3
- $M = 122,07 \text{ g/mol}$
- CAS [1344-09-8]
- EINECS-No.: 215-687-4
- Density: $1,37 \text{ g/cm}^3$
- Solub. in water: (20 °C): miscible
- LD 50 (oral, rat): $> 2000 \text{ mg/kg}$
- GHS-signal word: Danger
- GHS-H sentences: H318 - H302 - H335 - H315
- GHS-P sentences: P261 - P280 - P305 + P351 + P338 - P321 - P405 - P501a

- Tariff number: 2839 19 00 00
- Applications: analytical chemistry, manufacturing of: detergent, in the textile industry, in the paper industry, manufacture of adhesives.

density (20°/4°)..... 1,350 - 1,380
 pH (5 %, H_2O) $< 11,5$
 copper (Cu) max. 0,005 %
 lead (Pb) max. 0,005 %
 nickel (Ni) max. 0,005 %

| ART. NO. | VOLUME | CONTAINER |
|------------|--------|-----------|
| SO06401000 | 1 l | Ⓟ |
| SO06402500 | 2,5 l | Ⓟ |
| SO0640005P | 5 l | Ⓟ |

SODIUM SULFATE ANHYDROUS

- Synonyms: Sulfuric acid sodium salt
- Na_2SO_4
- $M = 142,04 \text{ g/mol}$
- CAS [7757-82-6]

- EINECS-No.: 231-820-9
- Solub. in water: (20 °C): 160 g/l
- Melting point: 888 °C
- Boiling point: $> 890 \text{ °C}$ (decomposes)

- Tariff number: 2833 11 00 00
- Applications: analytical chemistry, organic solvents drying.

SO0662 Sodium sulfate anhydrous, granulated, EssentQ®

assay min. 99 %
 insoluble in water max. 0,01 %
 pH (5 %, H_2O) 5,2 - 9,2
 chlorides (Cl) max. 0,045 %
 phosphates (as PO_4) max. 0,001 %
 nitrogen compounds (as N) max. 0,0005 %

calcium (Ca) max. 0,01 %
 heavy metals (as Pb) max. 0,001 %
 iron (Fe) max. 0,009 %
 magnesium (Mg) max. 0,02 %
 potassium (K) max. 0,01 %
 loss on ignition (600 °C) max. 0,5 %

| ART. NO. | VOLUME | CONTAINER |
|------------|--------|-----------|
| SO06621000 | 1 kg | Ⓟ |
| SO0662005P | 5 kg | Ⓟ |
| SO0662025P | 25 kg | Ⓟ |

SO0665 Sodium sulfate anhydrous, powder, extra pure, Pharmpur®, Ph Eur

assay (on dried sample) 98,5 - 101 %
 identification passes test
 appearance of solution clear and colourless
 acidity or alkalinity passes test
 chlorides (Cl) max. 0,045 %
 calcium (Ca) max. 0,045 %
 heavy metals (as Pb) max. 0,0045 %
 iron (Fe) max. 0,009 %

magnesium (Mg) max. 0,02 %
 loss on drying (130 °C) max. 0,5 %
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013

| ART. NO. | VOLUME | CONTAINER |
|------------|--------|-----------|
| SO06650500 | 500 g | Ⓟ |
| SO06651000 | 1 kg | Ⓟ |
| SO06652500 | 2,5 kg | Ⓟ |
| SO0665005P | 5 kg | Ⓟ |
| SO0665025P | 25 kg | Ⓟ |

SO0664 Sodium sulfate anhydrous, powder, ExpertQ®, for analysis, ACS, ISO, Reag. Ph Eur

assay 99 - 101 %
 identification passes test
 appearance of solution clear and colourless
 insoluble matter max. 0,01 %
 pH (5 %, H_2O) 5,2 - 8,0
 acidity or alkalinity passes test
 nitrogen compounds (as N) max. 0,0005 %
 chlorides (Cl) max. 0,001 %
 phosphates (as PO_4) 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 %

| ART. NO. | VOLUME | CONTAINER |
|------------|--------|-----------|
| SO06640500 | 500 g | Ⓟ |
| SO06641000 | 1 kg | Ⓟ |
| SO0664005P | 5 kg | Ⓟ |

SO0667 Sodium sulfate anhydrous, granulated, ExpertQ®, for analysis, ACS, ISO

assay min. 99 %
 identity passes test
 appearance of solution (10 %, H_2O) passes test
 insoluble in water max. 0,01 %
 pH (5 %, H_2O) 5,2 - 8,0
 acidity or alkalinity passes test
 chlorides (Cl) max. 0,001 %
 phosphates (as PO_4) max. 0,001 %
 total nitrogen (as N) max. 0,0005 %

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. 0,002 %
 loss on ignition (600 °C) max. 0,5 %

| ART. NO. | VOLUME | CONTAINER |
|------------|--------|-----------|
| SO06670500 | 500 g | Ⓟ |
| SO06671000 | 1 kg | Ⓟ |
| SO06672500 | 2,5 kg | Ⓟ |
| SO0667005P | 5 kg | Ⓟ |
| SO0667025P | 25 kg | Ⓟ |

SO0670 Sodium sulfate anhydrous, for GC residue analysis

assay min. 99 %
 loss on drying (105 °C) max. 0,2 %
 suitable for pesticide residue analysis.

| ART. NO. | VOLUME | CONTAINER |
|------------|--------|-----------|
| SO06701000 | 1 kg | Ⓟ |

| ART. NO. | VOLUME | CONTAINER |
|------------|--------|-----------|
| SO0670005P | 5 kg | Ⓟ |