

SODIUM SULFATE DECAHYDRATE

SO0671 Sodium sulfate decahydrate, extra pure, Pharpur®, Ph Eur, BP, USP

- Synonyms: Glauber's salt
- Na₂SO₄·10H₂O
- M = 322,19 g/mol
- CAS [7727-73-3]
- EINECS-No.: 231-820-9
- Solub. in water: (20 °C): ~ 900 g/l
- Melting point: 32,4 °C
- Boiling point: > 890 °C (anhydrous substance, decomposes)
- Tariff number: 2833 11 00 00
- Applications: analytical chemistry, laboratory reagent, in food industry (E 514), manufacture of dyes, in pharma industry.

assay (acidimetric, referred to dried sample) 98,5 - 101,0 %
 assay (referred to dried sample) min. 99,0 %
 identification passes test
 appearance of solution clear and colourless
 acidity or alkalinity passes test
 chlorides (Cl) max. 200 ppm
 loss on drying 52,0 - 57,0 %
 loss on drying (105°C, 4h) 51,0 - 57,0 %
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
SO06710500	500 g	P
SO06711000	1 kg	P
SO0671005P	5 kg	P
SO0671025P	25 kg	P

SODIUM SULFIDE HYDRATE

SO0673 Sodium sulfide hydrate, EssentQ®

- Na₂S·xH₂O (x = 2 - 3)
- M = 78,04 g/mol
- CAS [27610-45-3]
- EINECS-No.: 608-114-8
- Melting point: 920 °C (anhydrous substance)
- LD 50 (oral, rat): 208 mg/kg (anhydrous substance)
- ADR: 6.1 TC4 II UN 3290
- IMDG: 6.1 II UN 3290
- IATA/ICAO: 6.1 II UN 3290

- GHS-signal word: Danger
- GHS-H sentences: H311 - H314 - H400 - H302 - EUH031
- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P361 - P405 - P501a
- Tariff number: 2830 10 00 90

assay (iodometric, Na₂S) 60 - 65 %
 carbonates (as Na₂CO₃) max. 1,2 %
 iron (Fe) max. 0,001 %
 sulfite and thiosulfate max. 2 %

ART. NO.	VOLUME	CONTAINER
SO06730500	500 g	P
SO06731000	1 kg	P

SODIUM SULFITE

- Na₂SO₃
- M = 126,04 g/mol
- CAS [7757-83-7]
- EINECS-No.: 231-821-4
- Solub. in water: (20 °C): 220 g/l
- Melting point: > 500 °C (decomposes)
- LD 50 (oral, rat): 2610 mg/kg
- GHS-signal word: Danger
- GHS-H sentences: H334 - H317 - H413 - EUH031
- GHS-P sentences: P285 - P261 - P280 - P321 - P363 - P501a
- Tariff number: 2832 10 00 00
- Applications: analytical chemistry, laboratory reagent, solvents (in the cellulose industry), antibacterian, absorbent for: nitrogen oxides (gases).

SO0672 Sodium sulfite, extra pure, Pharpur®, Ph Eur, BP

assay (iodometric) 95,0 - 100,5 %
 identity (IR-spectrum) passes test
 appearance of solution clear and colourless
 thiosulfates (S₂O₃) max. 0,1 %
 iron (Fe) max. 10 ppm
 selenium (Se) max. 10 ppm
 zinc (Zn) max. 25 ppm

Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013.
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.

ART. NO.	VOLUME	CONTAINER
SO06720500	500 g	P
SO06721000	1 kg	P
SO0672005P	5 kg	P
SO0672025P	25 kg	P

SO0669 Sodium sulfite, ExpertQ®, for analysis, ACS, Reag. Ph Eur

assay (iodometric) 98,0 - 100,5 %
 identity (IR-spectrum) passes test
 appearance of solution clear and colourless
 insoluble in water max. 0,005 %
 acidity passes test
 alkalinity max. 0,03 meq/g
 chlorides (Cl) max. 0,02 %
 thiosulfates (S₂O₃) max. 0,1 %

arsenic (As) max. 1 ppm
 copper (Cu) max. 5 ppm
 heavy metals (as Pb) max. 0,001 %
 iron (Fe) max. 10 ppm
 lead (Pb) max. 5 ppm
 selenium (Se) max. 10 ppm
 zinc (Zn) max. 0,001 %

ART. NO.	VOLUME	CONTAINER
SO06690500	500 g	P
SO06691000	1 kg	P
SO0669005P	5 kg	P