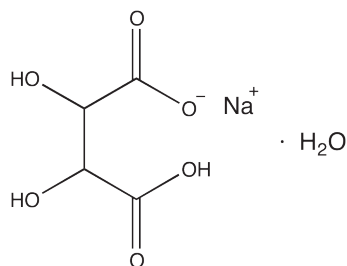


## SODIUM HYDROGEN TARTRATE MONOHYDRATE

SO0419 Sodium hydrogen tartrate monohydrate, ExpertQ®, for analysis



- Synonyms: Sodium bitartrate monohydrate
- $C_4H_5NaO_6 \cdot H_2O$
- $M = 190,09 \text{ g/mol}$
- CAS [526-94-3]
- EINECS-No.: 208-400-9
- Solub. in water: (20 °C): 89 g/l
- Melting point: 253 °C
- Tariff number: 2918 13 00 90
- Applications: analytical chemistry, for the detection of: potassium; nutrient media for bacterial culture

assay (acidimetric) . . . . . 99,5 - 100,5 %  
 insoluble in water . . . . . max. 0,005 %  
 pH (5 %,  $H_2O$ , 20 °C) . . . . . 3,0 - 3,6  
 chlorides (Cl) . . . . . max. 0,001 %  
 phosphates (as  $PO_4$ ) . . . . . max. 0,002 %  
 sulfates ( $SO_4$ ) . . . . . max. 0,005 %  
 ammonium ( $NH_4$ ) . . . . . max. 0,005 %  
 arsenic (As) . . . . . max. 0,4 ppm  
 calcium (Ca) . . . . . max. 0,01 %  
 copper (Cu) . . . . . max. 0,001 %  
 heavy metals (as Pb) . . . . . max. 0,001 %  
 iron (Fe) . . . . . max. 0,001 %  
 lead (Pb) . . . . . max. 0,001 %  
 nickel (Ni) . . . . . max. 0,001 %  
 loss on drying (120 °C) . . . . . 9,0 - 10,0 %

ART. NO.	VOLUME	CONTAINER
SO04190500	500 g	P
SO04191000	1 kg	P

## SODIUM HYDROXIDE

- Synonyms: Caustic soda
- NaOH
- $M = 40,00 \text{ g/mol}$
- CAS [1310-73-2]
- EINECS-No.: 215-185-5
- Solub. in water: (20 °C): soluble
- Melting point: 323 °C

- Boiling point: 1390 °C
- EC-Index-No.: 011-002-00-6
- ADR: 8 C6 II UN 1823
- IMDG: 8 II UN 1823
- IATA/ICAO: 8 II UN 1823
- GHS-signal word: Danger
- GHS-H sentences: H314

- GHS-P sentences: P260 - P303 + P361 + P353 - P305 + P351 + P338 - P321 - P405 - P501a
- Tariff number: 2815 11 00 00
- Applications: solutions: to neutralize acids, to make sodium salts, to precipitate metals (as hydroxides) from water solutions of their salts.

SO0418 Sodium hydroxide, granulated, EssentQ®



assay (acidimetric) . . . . . min. 98 %  
 sodium carbonate ( $Na_2CO_3$ ) . . . . . max. 0,5 %  
 sodium oxide ( $Na_2O$ ) . . . . . min. 75,5 %  
 iron (Fe) . . . . . max. 15 ppm  
 nickel (Ni) . . . . . max. 3 ppm

ART. NO.	VOLUME	CONTAINER
SO04181000	1 kg	P
SO0418005P	5 kg	P

ART. NO.	VOLUME	CONTAINER
SO0418025P	25 kg	P

SO0420 Sodium hydroxide, pellets, extra pure, Pharmapur®, Ph Eur, BP, NF



assay (acidimetric) . . . . . 97,0 - 100,5 %  
 sodium (Na) . . . . . 54,0 - 59,8 %  
 identification . . . . . passes test  
 appearance of solution . . . . . clear and colourless  
 carbonates (as  $Na_2CO_3$ ) . . . . . max. 2,0 %  
 chlorides (Cl) . . . . . max. 200 ppm  
 sulfates ( $SO_4$ ) . . . . . max. 200 ppm  
 potassium (K) . . . . . max. 0,5 %

iron (Fe) . . . . . max. 10 ppm  
 insoluble substances and  
 organic matter . . . . . passes test  
 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
SO04200500	500 g	P
SO04201000	1 kg	P
SO0420005P	5 kg	P
SO0420025P	25 kg	P

SO0473 Sodium hydroxide, pellets, ExpertQ®, for analysis



assay (acidimetric) . . . . . min. 97 %  
 carbonates (as  $Na_2CO_3$ ) . . . . . max. 1,0 %  
 chlorides (Cl) . . . . . max. 0,005 %  
 phosphates (as  $PO_4$ ) . . . . . max. 0,002 %  
 sulfates ( $SO_4$ ) . . . . . max. 0,003 %

ammonium hydroxide precipitate . . . . . max. 0,02 %  
 nitrogen compounds (as N) . . . . . max. 0,001 %  
 heavy metals (as Ag) . . . . . max. 0,002 %  
 iron (Fe) . . . . . max. 0,001 %  
 mercury (Hg) . . . . . max. 0,4 ppm

ART. NO.	VOLUME	CONTAINER
SO04731000	1 kg	P
SO0473005P	5 kg	P
SO0473025P	25 kg	P