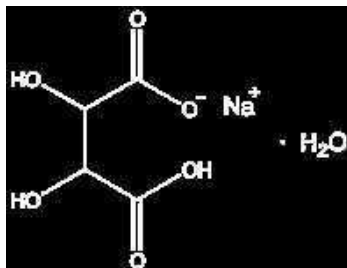


SODIUM HYDROGEN TARTRATE MONOHYDRATE

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	
SO04191000	1 kg	

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	
SO0418005P	5 kg	





ART. NO.	VOLUME	CONTAINER
SO0418025P	25 kg	

SO0420 Sodium hydroxide, pellets, extra pure, Pharpur®, 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	
SO04201000	1 kg	
SO0420005P	5 kg	
SO0420025P	25 kg	

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	
SO0473005P	5 kg	
SO0473025P	25 kg	