SODIUM BOROHYDRIDE

SO0105 Sodium borohydride, powder, EssentQ®

- Synonyms: Sodium tetrahydroborate
- $NaBH_4$
- M = 37,83 g/mol
- CAS [16940-66-2]
- EINECS-No.: 241-004-4
- Solub. in water: (25 °C): 550 g/l (decomposes slowly)
- Melting point: ~ 400 °C (decomposes slowly)
- Flash pt. 69 °C
- Ignition temp.: ~ 220°C
- LD 50 (oral, rat): 69 mg/kg
- ADR: 4.3 W2 I UN 1426
- IMDG: 4.3 I UN 1426
- IATA/ICAO: 4.3 I UN 1426
- GHS-signal word: Danger
- GHS-H sentences: H260 - H301 - H314
- GHS-P sentences: P231 + P232 - P260 - P303 + P361 + P353 - P305 + P351 + P338 - P405 - P501a
- Tariff number: 2850 00 20 90
- Applications: reducing agent, synthesis of organic products.

assay (iodometric) . . . . . min. 98 %

ART. NO.	VOLUME	CONTAINER
SO01050025	25 g	
SO01050100	100 g	
SO01050500	500 g	
SO01051000	1 kg	

SODIUM BROMIDE

- Synonyms: Bromo sodium
- NaBr
- M = 102,90 g/mol
- CAS [7647-15-6]
- EINECS-No.: 231-599-9
- Solub. in water: (20 °C): soluble
- Melting point: 755 °C
- Boiling point: 1393 °C
- Vapour pressure: (806 °C) 1,3 hPa
- LD 50 (oral, rat): 3500 mg/kg
- Tariff number: 2827 51 00 00
- Applications: laboratory reagent, photography.

SO0170 Sodium bromide, extra pure, Pharmpur®, Ph Eur, BP, USP

assay (argentometric, on dried sample) . . . . . 98,5 - 100,5 %
identification . . . . . passes test
appearance of solution . . . . . clear and colourless
acidity or alkalinity . . . . . passes test
bromates (BrO_3) . . . . . passes test
chlorides (Cl) . . . . . max. 0,6 %
iodides (I) . . . . . passes test
sulfates (SO_4) . . . . . max. 0,01%
iron (Fe) . . . . . max. 20 ppm
magnesium and alkaline-earth metals (as Ca) . . . . . max. 200 ppm
loss on drying (105 °C) . . . . . max. 3,0 %
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
SO01700500	500 g	
SO01701000	1 kg	

SO0171 Sodium bromide, ExpertQ®, for analysis, ACS, Reag. Ph Eur

assay (argentometric) . . . . . min. 99 %
insoluble in water . . . . . max. 0,005 %
pH (5 %, H_2O) . . . . . 5,0 - 8,8
bromates (BrO_3) . . . . . max. 0,001 %
chlorides (Cl) . . . . . max. 0,2 %
iodides (I) . . . . . max. 0,001 %
sulfates (SO_4) . . . . . max. 0,002 %
total nitrogen (as N) . . . . . max. 0,0005 %
aluminium (Al) . . . . . max. 0,05 ppm
arsenic (As) . . . . . max. 2 ppm
barium (Ba) . . . . . max. 0,002 %
calcium (Ca) . . . . . max. 0,002 %
copper (Cu) . . . . . max. 5 ppm
heavy metals (as Pb) . . . . . max. 5 ppm
iron (Fe) . . . . . max. 3 ppm
lead (Pb) . . . . . max. 5 ppm
magnesium (Mg) . . . . . max. 0,001 %
nickel (Ni) . . . . . max. 5 ppm
potassium (K) . . . . . max. 0,1 %

ART. NO.	VOLUME	CONTAINER
SO01710250	250 g	
SO01710500	500 g	
SO01711000	1 kg	

SODIUM CARBONATE ANHYDROUS

- Synonyms: Anhydrous soda
- Na_2CO_3
- M = 105,99 g/mol
- CAS [497-19-8]
- EINECS-No.: 207-838-8
- Solub. in water: (20 °C): 220 g/l
- Melting point: 854 °C
- Boiling point: 1600 °C (decomposes)
- LD 50 (oral, rat): 4090 mg/kg
- EC-Index-No.: 011-005-00-2
- GHS-signal word: Warning
- GHS-H sentences: H319
- GHS-P sentences: P280 - P264 - P305 + P351 + P338 - P337 + P313
- Tariff number: 2836 20 00 00
- Applications: analytical chemistry, laboratory reagent, to make sodium salts, manufacture of glass, detergent, in the textile industry, photography, in the pharmaceutics industry, in food industry (E 500).

SO0119 Sodium carbonate anhydrous, secondary standard for volumetric titrations, Titrasure®

assay (on dried sample) . . . . . min. 99,5 %
calcium (Ca) . . . . . max. 0,03 %
chloride (Cl) . . . . . max. 0,001 %
heavy metals (by ICP-OES) . . . . . max. 5 ppm
insoluble matter . . . . . max. 0,01 %
iron (Fe) . . . . . max. 5 ppm
loss on drying (285 °C) . . . . . max. 1,0 %
magnesium (Mg) . . . . . max. 0,005 %
phosphates (PO_4) . . . . . max. 0,001 %
potassium (K) . . . . . max. 0,005 %
silica (SiO_2) . . . . . max. 0,005 %
sulfur compounds (as SO_4) . . . . . max. 0,003 %

ART. NO.	VOLUME	CONTAINER
SO01190080	80 g	