

SODIUM DIHYDROGEN PHOSPHATE ANHYDROUS

SO0330 Sodium dihydrogen phosphate anhydrous, extra pure, Pharmapur®, BP, USP

- Synonyms: Sodium biphosphate, Sodium phosphate monobasic
- NaH_2PO_4
- M = 120,0 g/mol
- CAS [7558-80-7]
- EINECS-No.: 231-449-2
- Solub. in water: (20 °C): 850 g/l
- Melting point: 200 °C
- LD 50 (oral, rat): 8290 mg/kg
- Tariff number: 2835 22 00 00
- Applications: analytical chemistry, laboratory reagent, in food industry (E 339), in pharma industry.

assay (acidimetric, referred to dried sample) 98,0 - 100,5 %
 identification passes test
 appearance of solution clear and colourless
 insoluble in water. max. 0,2 %
 pH (5 %, H_2O) 4,1 - 4,5
 chlorides (Cl) max. 0,014 %
 sulfates (SO_4) max. 300 ppm
 aluminium, calcium and related elements. . . passes test
 arsenic (As) max. 2 ppm
 iron (Fe) max. 10 ppm
 reducing substances. passes test
 loss on drying (130 °C). max. 1,0 %
 water (K.F.) max. 2,0 %

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
SO03300500	500 g	
SO03301000	1 kg	
SO0330025P	25 kg	

SODIUM DIHYDROGEN PHOSPHATE DIHYDRATE

SO0334 Sodium dihydrogen phosphate dihydrate, extra pure, Pharmapur®, Ph Eur, BP, USP





- Synonyms: Sodium biphosphate, Monosodium orthophosphate, Primary sodium phosphate, Sodium phosphate monobasic
- $\text{NaH}_2\text{PO}_4 \cdot 2\text{H}_2\text{O}$
- M = 156,01 g/mol

- CAS [13472-35-0]
- EINECS-No.: 231-449-2
- Solub. in water: (20 °C): 850 g/l
- Melting point: 60 °C
- LD 50 (oral, rat): 8290 mg/kg (anhydrous substance)

- Tariff number: 2835 22 00 00
- Applications: analytical chemistry, laboratory reagent, for pharmaceutical use, in food industry (E 339).

assay (acidimetric, referred to dried sample) 98,0 - 100,5 %
 identification passes test
 appearance of solution clear and colourless
 insoluble matter. max. 0,2 %
 pH (5 %, H_2O) 4,2 - 4,5
 chlorides (Cl) max. 0,014 %
 sulfates (SO_4) max. 300 ppm
 aluminium, calcium and related elements passes test





arsenic (As) max. 2 ppm
 iron (Fe) max. 10 ppm
 reducing substances. passes test
 loss on drying (130 °C). 21,5 - 24,0 %
 water content. 18,0 - 26,5 %
 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
SO03340500	500 g	
SO03341000	1 kg	
SO0334005P	5 kg	
SO0334025P	25 kg	

SO0332 Sodium dihydrogen phosphate dihydrate, ExpertQ®, for analysis, Reag. Ph Eur

appearance of solution clear and colourless
 identity. passes test
 assay (acidimetric, referred to dried sample) 98,0 - 100,5 %
 pH (5 %, H_2O) 4,2 - 4,5
 arsenic (As) max. 0,0001 %
 cadmium (Cd) max. 1 ppm
 calcium (Ca) max. 0,005 %
 chlorides (Cl) max. 0,005 %
 cobalt (Co) max. 0,005 %
 copper (Cu) max. 0,005 %
 fluorides (F) max. 0,0010 %

heavy metals (as Pb) max. 0,0010 %
 insoluble matter. max. 0,2 %
 iron (Fe) max. 0,001 %
 lead (Pb) max. 0,0001 %
 loss on drying (130 °C). 21,5 - 24,0 %
 magnesium (Mg) max. 0,005 %
 mercury (Hg) max. 1 ppm
 nickel (Ni) max. 0,005 %
 potassium (K) max. 0,005 %
 sulfates (SO_4) max. 0,01 %
 zinc (Zn) max. 0,025 %
 reducing substances. passes test

ART. NO.	VOLUME	CONTAINER
SO03320500	500 g	
SO03321000	1 kg	
SO0332005P	5 kg	
SO0332025P	25 kg	

SODIUM DIHYDROGEN PHOSPHATE MONOHYDRATE

- Synonyms: Sodium biphosphate, Monosodium orthophosphate, Primary sodium phosphate, Sodium phosphate monobasic
- $\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$
- M = 137,99 g/mol

- CAS [10049-21-5]
- EINECS-No.: 231-449-2
- Solub. in water: (20 °C): 850 g/l
- Melting point: ~ 100 °C (decomposes)
- LD 50 (oral, rat): 8290 mg/kg (anhydrous substance)

- Tariff number: 2835 22 00 00
- Applications: analytical chemistry, laboratory reagent, synthesis of organic products, for pharmaceutical use, for softening water, in food industry (E 339).