





## SO0338 di-Sodium hydrogen phosphate dihydrate, extra pure, Pharpur®, Ph Eur, BP, USP

assay (acidimetric, referred to dried sample) . . . . . 98,0 - 100,5 %  
 identification . . . . . passes test  
 appearance of solution . . . . . clear and colourless  
 insoluble in water . . . . . max. 0,4 %  
 arsenic (As) . . . . . max. 4 ppm  
 chlorides (Cl) . . . . . max. 400 ppm  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,1 %

iron (Fe) . . . . . max. 40 ppm  
 monosodium phosphate . . . . . max. 2,5 %  
 reducing substances . . . . . passes test  
 loss on drying (130 °C) . . . . . 19,5 - 21,0 %  
 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   |
|------------|--------|---|
| SO03380500 | 500 g  |  |
| SO03381000 | 1 kg   |  |
| SO0338005P | 5 kg   |  |
| SO0338025P | 25 kg  |  |

## SO0339 di-Sodium hydrogen phosphate dihydrate, ExpertQ®, for analysis, Reag. Ph Eur

assay (acidimetric, referred to dried sample) . . . . . 99,5 - 101,0 %  
 identification . . . . . passes test  
 appearance of solution . . . . . clear and colourless  
 pH (5 %, H<sub>2</sub>O) . . . . . 9,0 - 9,2  
 chlorides (Cl) . . . . . max. 0,001 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,005 %  
 total nitrogen (as N) . . . . . max. 0,001 %  
 arsenic (As) . . . . . max. 0,0004 %

copper (Cu) . . . . . max. 3 ppm  
 heavy metals (as Pb) . . . . . max. 0,001 %  
 iron (Fe) . . . . . max. 0,001 %  
 potassium (K) . . . . . max. 0,005 %  
 lead (Pb) . . . . . max. 0,0001 %  
 monosodium phosphate . . . . . max. 2,5 %  
 reducing substances . . . . . passes test  
 loss on drying (130 °C) . . . . . 19,5 - 21,0 %

| ART. NO.   | VOLUME | CONTAINER   |
|------------|--------|---|
| SO03390500 | 500 g  |  |
| SO03391000 | 1 kg   |  |
| SO0339005P | 5 kg   |  |

## SO0345 di-Sodium hydrogen phosphate dihydrate, HPLC grade

assay (acidimetric, referred to dried sample) . . . . . min. 99,5 %  
 identity (IR) . . . . . passes test  
 insoluble in water . . . . . max. 0,4 %  
 pH (5 %, H<sub>2</sub>O) . . . . . 9,0 - 9,2

max. absorbance of an aqueous sol. 10 % in a 1,0 cm cell at wavelength . . . . . absorbance  
 230 nm . . . . . 0,1 AU  
 260 nm . . . . . 0,06 AU  
 280 nm . . . . . 0,04 AU  
 320 nm . . . . . 0,02 AU

| ART. NO.   | VOLUME | CONTAINER   |
|------------|--------|---|
| SO03450250 | 250 g  |  |

## DI-SODIUM HYDROGEN PHOSPHATE DODECAHYDRATE

- Synonyms: Sodium monohydrogen phosphate, Sodium phosphate dibasic
- Na<sub>2</sub>HPO<sub>4</sub>·12H<sub>2</sub>O
- M = 358,14 g/mol
- CAS [10039-32-4]





- EINECS-No.: 231-448-7
- Solub. in water: (20 °C): ~ 218 g/l
- Melting point: 35 °C
- LD 50 (oral, rat): 17000 mg/kg (anhydrous substance)

- Tariff number: 2835 22 00 00
- Applications: analytical chemistry, in buffer solutions (phosphates), in porcelain industry, cosmetics,
- pharmaceutical and food industries, in pharma industry.

## SO0336 di-Sodium hydrogen phosphate dodecahydrate, extra pure, Pharpur®, Ph Eur, BP

assay (acidimetric) . . . . . 98,5 - 102,5 %  
 identification . . . . . passes test  
 appearance of solution . . . . . passes test  
 insoluble in water . . . . . max. 0,15 %  
 chlorides (Cl) . . . . . max. 0,001 %  
 sodium dihydrogenphosphate (NaH<sub>2</sub>PO<sub>4</sub>) . . . . . max. 2,5 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,01 %  
 arsenic (As) . . . . . max. 1 ppm

heavy metals (as Pb) . . . . . max. 0,0008 %  
 iron (Fe) . . . . . max. 0,001 %  
 reducing substances . . . . . passes test  
 water (K.F.) . . . . . 57 - 61 %  
 Residual solvents are analysed according to guideline CPMP/ICH/283/95.  
 Elemental impurities are analysed according to guideline CHMP/ICH/353369/2013

| ART. NO.   | VOLUME | CONTAINER   |
|------------|--------|---|
| SO03360500 | 500 g  |  |
| SO03361000 | 1 kg   |  |
| SO0336005P | 5 kg   |  |
| SO0336025P | 25 kg  |  |

## SO0343 di-Sodium hydrogen phosphate dodecahydrate, ExpertQ®, for analysis, ISO

assay (acidimetric) . . . . . 99 - 102 %  
 identity . . . . . passes test  
 appearance of solution . . . . . passes test  
 pH (5 %, H<sub>2</sub>O) . . . . . 9,0 - 9,4  
 chlorides (Cl) . . . . . max. 0,0005 %  
 sulfates (SO<sub>4</sub>) . . . . . max. 0,005 %  
 total nitrogen (as N) . . . . . max. 0,001 %  
 arsenic (As) . . . . . max. 0,5 ppm

copper (Cu) . . . . . max. 2 ppm  
 heavy metals (as Pb) . . . . . max. 5 ppm  
 iron (Fe) . . . . . max. 5 ppm  
 lead (Pb) . . . . . max. 5 ppm  
 potassium (K) . . . . . max. 0,005 %  
 sodium dihydrogen phosphate . . . . . passes test  
 reducing substances . . . . . passes test  
 water (K.F.) . . . . . 57 - 61 %

| ART. NO.   | VOLUME | CONTAINER   |
|------------|--------|---|
| SO03430500 | 500 g  |  |
| SO03431000 | 1 kg   |  |
| SO0343005P | 5 kg   |  |