

# S Sodium dihydrogen phosphate dihydrate

## Sodium dihydrogen phosphate dihydrate

Sodium phosphate monobasic dihydrate, Sodium dihydrogen orthophosphate dihydrate

CAS 13472-35-0

EINECS: 231-449-2

$\text{NaH}_2\text{PO}_4 \cdot 2\text{H}_2\text{O}$

M.W. 156.01 g/mol

Density: 1.91 g/cm<sup>3</sup> (20 °C)

Boiling Pt: Min. 650 °C (1013 hPa)

Melting Pt: 60 °C

Storage Temperature: Ambient temperature

## Sodium dihydrogen phosphate dihydrate AnaLar NORMAPUR® analytical reagent

Assay	Min. 99.0 %	pH (20°C; 5 %)	4.2 to 4.5
Heavy metals (as Pb)	Max. 5 ppm	Insolubility in water	Max. 50 ppm
Total N (Nitrogen)	Max. 20 ppm	Cl (Chloride)	Max. 10 ppm
SO <sub>4</sub> (Sulphate)	Max. 100 ppm	As (Arsenic)	Max. 0.5 ppm
Fe (Iron)	Max. 5 ppm		

Cat. No.	Pk	Pack type
28015.261	500 g	Plastic bottle for solids
28015.294	1 kg	Plastic bottle for solids

## Sodium dihydrogen phosphate dihydrate Ph. Eur.

Assay (calculated on dried substance)	98.0 to 100.5 %
Appearance	Passes test
Identification A	Passes test
Identification B	Passes test
Identification C	Passes test
Solution S	Passes test
Appearance of solution	Passes test
pH (5 %)	4.2 to 4.5
Reducing substances	Passes test
Cl (Chloride)	Max. 200 ppm
SO <sub>4</sub> (Sulphate)	Max. 300 ppm
As (Arsenic)	Max. 2 ppm
Heavy metals (as Pb)	Max. 10 ppm
Fe (Iron)	Max. 10 ppm
Loss on drying (130°C)	21.5 to 24.0 %
Residual solvents	Passes test

Cat. No.	Pk	Pack type
28014.291	1 kg	Plastic bottle for solids
28014.360	5 kg	Plastic bottle for solids

## Sodium dihydrogen phosphate dihydrate GPR RECTAPUR®

Assay	Min. 98.0 %
Heavy metals (as Pb)	Max. 20 ppm
Cl (Chloride)	Max. 50 ppm
SO <sub>4</sub> (Sulphate)	Max. 0.05 %
Fe (Iron)	Max. 50 ppm

Cat. No.	Pk	Pack type
28011.260	500 g	Plastic bottle for solids
28011.291	1 kg	Plastic bottle for solids
28011.360	5 kg	Plastic bottle for solids
28011.460	25 kg	Bucket (Plastic)

## Sodium dihydrogen phosphate dihydrate Gen- Apex® Molecular biology grade

Assay	Min. 99 %
Colouration (0.3 mol/l; water)	Max. 10 APHA
Heavy metals (as Pb)	Max. 5 ppm
SO <sub>4</sub> (Sulphate)	Max. 0.05 %
Transmittance (230 nm) (0.3 mol/l)	Min. 90 %
Transmittance (260 nm) (0.3 mol/l)	Min. 95 %
Transmittance (280 nm) (0.3 mol/l)	Min. 97 %
Transmittance (320 nm) (0.3 mol/l)	Min. 99 %

Cat. No.	Pk	Pack type
33616.262	500 g	Plastic bottle for solids

## Sodium dihydrogen phosphate buffer solution (Sodium dihydrogen orthophosphate/Phosphoric acid)

## Sodium dihydrogen phosphate buffer solution (Sodium dihydrogen orthophosphate/ Phosphoric acid) for chlorine determination in water monitors

pH (20 °C)	2.250 to 2.350
Specific gravity	1.200 to 1.240
Free chlorine	Max. 5 ppm

Cat. No.	Pk	Pack type
160918E	25 l	Metal drum

## Sodium 3α,12α-dihydroxy-5β-cholanoate

See Sodium deoxycholate ..... p.437

## Sodium dioxoarsenate

See Sodium metaarsenite ..... p.450

## tetra-Sodium diphosphate decahydrate

Sodium pyrophosphate decahydrate, tetra-Sodium pyrophosphate decahydrate

### Warning

H319 H335 H315  
P280 P302+P352 P304+P340 P305+P351+P338  
P309+P311



CAS 13472-36-1

EINECS: 231-767-1

$\text{Na}_4\text{P}_2\text{O}_7 \cdot 10\text{H}_2\text{O}$

M.W. 446.06 g/mol

Density: 1.82 g/cm<sup>3</sup> (25 °C)

Melting Pt: 990 °C

Storage Temperature: Ambient temperature

## tetra-Sodium diphosphate decahydrate AnaLar NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent

Assay	Min. 98.0 %	Heavy metals (as Pb)	Max. 5 ppm
Insolubility in water	Max. 50 ppm	Orthophosphates (as PO <sub>4</sub> )	Max. 0.5 %
Cl (Chloride)	Max. 20 ppm	NH <sub>4</sub> (Ammonium)	Max. 10 ppm
NO <sub>3</sub> (Nitrate)	Max. 20 ppm	SO <sub>4</sub> (Sulphate)	Max. 100 ppm
As (Arsenic)	Max. 1 ppm	Fe (Iron)	Max. 5 ppm
K (Potassium)	Max. 100 ppm		

Cat. No.	Pk	Pack type
28055.292	1 kg	Plastic bottle for solids

## tetra-Sodium diphosphate decahydrate GPR RECTAPUR®

Assay	Min. 97 %
Heavy metals (as Pb)	Max. 20 ppm
SO <sub>4</sub> (Sulphate)	Max. 0.05 %
Fe (Iron)	Max. 20 ppm

Cat. No.	Pk	Pack type
28053.295	1 kg	Plastic bottle for solids

## Sodium disulphite

See Sodium metabisulphite ..... p.450