

### di-Sodium hydrogen phosphate dihydrate

Sodium monohydrogen phosphate dihydrate, Sodium phosphate dibasic dihydrate, Sorensen's salt, di-Sodium hydrogen orthophosphate dihydrate

CAS 10028-24-7

EINECS: 231-448-7

Na<sub>2</sub>HPO<sub>4</sub>·2H<sub>2</sub>O

M.W. 177.99 g/mol

Density: 2.1 g/cm<sup>3</sup> (20 °C)

Melting Pt: 92.5 °C

Storage Temperature: Ambient temperature

### di-Sodium hydrogen phosphate dihydrate AnalR NORMAPUR® analytical reagent

Assay	Min. 99.5 %	Identification	Passes test
Solution in water	Passes test	pH (20°C; 5 %)	9.0 to 9.2
Heavy metals (as Pb)	Max. 10 ppm	Total N (Nitrogen)	Max. 10 ppm
Cl (Chloride)	Max. 10 ppm	SO <sub>4</sub> (Sulphate)	Max. 50 ppm
As (Arsenic)	Max. 0.5 ppm	Cu (Copper)	Max. 3 ppm
Fe (Iron)	Max. 10 ppm	K (Potassium)	Max. 50 ppm
Pb (Lead)	Max. 10 ppm	Conforms to BDH 10383	Passes test

Cat. No.	Pk	Pack type
28029.235	250 g	Plastic bottle for solids
28029.260	500 g	Plastic bottle for solids
28029.292	1 kg	Plastic bottle for solids
28029.320	2,5 kg	Plastic bottle for solids
28029.460	25 kg	Cardboard carton

### di-Sodium hydrogen phosphate dihydrate Ph. Eur., USP

Assay (calculated on dried substance)	98.0 to 100.5 %
Appearance	White/almost white powder
Identification A	Passes test Ph. Eur.
Identification A	Passes test USP
Identification B	Passes test Ph. Eur.
Identification B	Passes test USP
Identification C	Passes test Ph. Eur.
Identification D	Passes test Ph. Eur.
Solution S	Passes test Ph. Eur.
Appearance of solution	Passes test Ph. Eur.
Insoluble substances	Max. 0.4 %
Reducing substances	Passes test Ph. Eur.
Monosodium phosphate	Max. 2.5 %
Cl (Chloride)	Max. 400 ppm
SO <sub>4</sub> (Sulphate)	Max. 0.1 %
As (Arsenic)	Max. 4 ppm
Fe (Iron)	Max. 40 ppm
Heavy metals (as Pb)	Max. 20 ppm
Loss on drying (130°C)	19.5 to 21.0 %
Residual solvents	Passes test

Cat. No.	Pk	Pack type
87010.290	1 kg	Plastic bottle for solids
87010.360	5 kg	Bucket (Plastic)
87010.460	25 kg	Bucket (Plastic)

### di-Sodium hydrogen phosphate dihydrate GPR RECTAPUR®

Assay	Min. 99 %
Heavy metals (as Pb)	Max. 10 ppm
Cl (Chloride)	Max. 0.02 %
SO <sub>4</sub> (Sulphate)	Max. 0.05 %
As (Arsenic)	Max. 2 ppm
Fe (Iron)	Max. 50 ppm

Cat. No.	Pk	Pack type
28040.291	1 kg	Plastic bottle for solids

### di-Sodium hydrogen phosphate dodecahydrate

Sodium monohydrogen phosphate dodecahydrate, Sodium phosphate dibasic dodecahydrate, di-Sodium hydrogen orthophosphate dodecahydrate

CAS 10039-32-4

EINECS: 231-448-7

Na<sub>2</sub>HPO<sub>4</sub>·12H<sub>2</sub>O

M.W. 358.14 g/mol

Density: 1.52 g/cm<sup>3</sup> (20 °C)

Melting Pt: 35 °C

Storage Temperature: Ambient temperature

### di-Sodium hydrogen phosphate dodecahydrate AnalR NORMAPUR® analytical reagent

Assay	99.0 to 101.0 %	pH (20°C; 5 %)	9.0 to 9.4
Heavy metals (as Pb)	Max. 5 ppm	Insolubility in water	Max. 50 ppm
Total N (Nitrogen)	Max. 10 ppm	Cl (Chloride)	Max. 5 ppm
SO <sub>4</sub> (Sulphate)	Max. 50 ppm	As (Arsenic)	Max. 0.5 ppm
Cu (Copper)	Max. 2 ppm	Fe (Iron)	Max. 5 ppm
K (Potassium)	Max. 100 ppm	Pb (Lead)	Max. 5 ppm
Zn (Zinc)	Max. 1 ppm		

Cat. No.	Pk	Pack type
28028.260	500 g	Plastic bottle for solids
28028.298	1 kg	Plastic bottle for solids
28028.367	5 kg	Plastic bottle for solids

### di-Sodium hydrogen phosphate dodecahydrate Ph. Eur.

Assay	98.5 to 102.5 %
Appearance	Colourless crystals
Identification A	Passes test
Identification C	Passes test
Identification D	Passes test
Solution S	Passes test
Appearance of solution	Passes test
Reducing substances	Passes test
Monosodium phosphate	Max. 2.5 %
Cl (Chloride)	Max. 200 ppm
SO <sub>4</sub> (Sulphate)	Max. 500 ppm
As (Arsenic)	Max. 2 ppm
Fe (Iron)	Max. 20 ppm
Heavy metals (as Pb)	Max. 10 ppm
Water	57.0 to 61.0 %
Residual solvents	Unlikely by manuf.process

Cat. No.	Pk	Pack type
28035.293	1 kg	Plastic bottle for solids
28035.362	5 kg	Plastic bottle for solids

### di-Sodium hydrogen phosphate dodecahydrate, purified

Assay	Min. 98 %
Heavy metals (as Pb)	Max. 20 ppm
Cl (Chloride)	Max. 100 ppm
SO <sub>4</sub> (Sulphate)	Max. 0.05 %
Fe (Iron)	Max. 50 ppm

Cat. No.	Pk	Pack type
28020.292	1 kg	Plastic bottle for solids
28020.361	5 kg	Plastic bottle for solids
28020.460	25 kg	Bucket (Plastic)

### di-Sodium hydrogen phosphate dodecahydrate Gen-Apex® Molecular biology grade

Assay	Min. 99 %
Colouration (0.1 mol/l; water)	Max. 10 APHA
Heavy metals (as Pb)	Max. 5 ppm
Transmittance (230 nm)	Min. 90 %
Transmittance (260 nm)	Min. 95 %
Transmittance (280 nm)	Min. 97 %
Transmittance (320 nm)	Min. 99 %

Cat. No.	Pk	Pack type
33617.265	500 g	Plastic bottle for solids