

## Product Datasheet

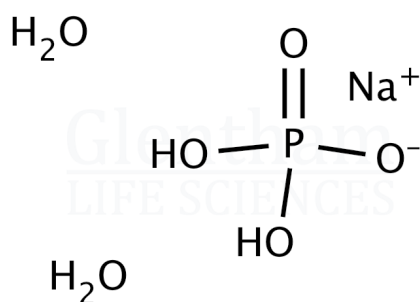
### GK8728 - Sodium dihydrogen phosphate dihydrate, Ph. Eur., USP grade

#### Product Details

Product Name	Sodium dihydrogen phosphate dihydrate, Ph. Eur., USP grade
Glentham Code	GK8728
CAS Number	13472-35-0
EINECS	231-449-2
MDL Number	MFC00149209
PubChem SID	310280090
Related Categories	Buffers, Raw Materials (IVD)

#### Structure

Molecular Weight : 156.01  
Molecular Formula :  $\text{H}_2\text{NaO}_4\text{P} \cdot 2\text{H}_2\text{O}$



#### Storage

Recommended storage temperature: +20°C.

#### Hazards and Transport

Not classified as hazardous under CLP.  
Not classified as dangerous for transport.

#### Glentham Product Specification

Physical Description	: White crystalline powder or crystals
Identification	: According to Ph. Eur., USP
Solubility (10% in water)	: Clear, colourless solution
Appearance of Solution	: To pass test
Water Insoluble Matter	: ≤ 0.2%
pH (5% in water)	: 4.2 - 4.5
Chloride (Cl)	: ≤ 140ppm
Sulphate (SO <sub>4</sub> )	: ≤ 300ppm
Arsenic (As)	: ≤ 1ppm
Lead (Pb)	: ≤ 0.5ppm
Cadmium (Cd)	: ≤ 0.5ppm
Iron (Fe)	: ≤ 10ppm
Mercury (Hg)	: ≤ 1ppm
Cobalt (Co)	: ≤ 5ppm
Vanadium (V)	: ≤ 3ppm
Nickel (Ni)	: ≤ 6ppm
Al, Ca, and related elements	: To pass test
Reducing Substances	: To pass test
Loss on Drying	: 21.4 - 24.0 %
Water (KF)	: 18.0 - 26.5 %
Assay (dried basis)	: 98.0 - 103.0 % (USP)
Assay (dried basis)	: 98.0 - 100.5 % (Ph. Eur.)
Pharmacopoeia Specification(s)	: Ph. Eur., USP
Version	: v1.2

#### About Sodium dihydrogen phosphate dihydrate, Ph. Eur., USP grade

Sodium dihydrogen phosphate dihydrate is used in the preparation of biological buffers and buffer solutions, with applications in molecular biology and biochemistry.

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