

Product Datasheet

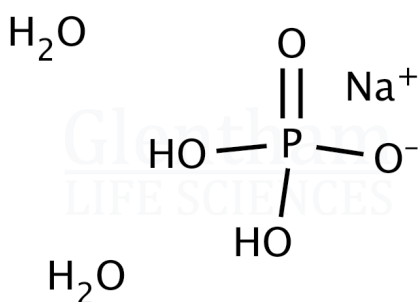
GK8728 - Sodium dihydrogen phosphate dihydrate, Ph. Eur., USP grade

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-Nummer	MFCD00149209
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	: $\leq 0.2\%$
pH (5% in water)	: 4.2 - 4.5
Chloride (Cl)	: $\leq 140\text{ppm}$
Sulphate (SO ₄)	: $\leq 300\text{ppm}$
Arsenic (As)	: $\leq 1\text{ppm}$
Lead (Pb)	: $\leq 0.5\text{ppm}$
Cadmium (Cd)	: $\leq 0.5\text{ppm}$
Iron (Fe)	: $\leq 10\text{ppm}$
Mercury (Hg)	: $\leq 1\text{ppm}$
Cobalt (Co)	: $\leq 5\text{ppm}$
Vanadium (V)	: $\leq 3\text{ppm}$
Nickel (Ni)	: $\leq 6\text{ppm}$
Al, Ca, and related elements	: To pass test
Reducing Substances	: To pass test
Loss on Drying	: 21.5 - 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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