



Product Specification

Product Name: di-SODIUM HYDROGEN ORTHOPHOSPHATE Heptahydrate AR

Alternate Name(s) Disodium hydrogen phosphate; Disodium orthophosphate; Disodium acid phosphate; Sodium phosphate dibasic; Disodium phosphate.
Description
Colourless translucent crystals or white powder; odourless; saline taste.

Properties

Chemical Formula: $\text{Na}_2\text{HPO}_4 \cdot 7\text{H}_2\text{O}$
Molecular Weight: 268.07

Product Code: SA203
CAS No. 7782-85-6

General Information:

Very soluble in water and alcohol. Incompatible with strong acids. Avoid moisture.
Non combustible material. Hazardous decomposition products: phosphorous oxides.

Quality Specification

Assay: 98.0% min.

Specific Properties and Impurities [Typical levels]:

Loss of 5H ₂ O	48 °C
Melting Point	48 °C
Specific Gravity	1.679
Insoluble matter	≤ 0.005%
pH of a 5% solution @ 25 °C	8.7 - 9.3
Chloride (Cl)	≤ 0.001%
Nitrogen compounds (as N)	≤ 0.001%
Sulfate (SO ₄)	≤ 0.005%
Heavy metals (as Pb)	≤ 0.001%
Iron (Fe)	≤ 0.001%

Hazard and Safety Data

UN Group: None Allocated
Class: None Allocated
UN Number: None Allocated
Hazchem code: None Allocated
CS MSDS Code: 1CHIB
Poison schedule: Not Scheduled
Emergency
Procedure Guide No.: N/A

Not classified as hazardous according to the criteria of ASCC.

CONFORMS TO ACS

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