



Product Specification

Product Name: **di-SODIUM HYDROGEN ORTHOPHOSPHATE
Anhydrous Powder AR**

Alternate Name(s) Disodium acid phosphate; sodium phosphate dibasic; disodium phosphate.

Description

White powder; saline taste. Hygroscopic.

Properties

Chemical Formula: Na_2HPO_4

Molecular Weight: 141.96

Product Code: SA026

CAS No. 7558-79-4

General Information:

Very slightly soluble in alcohol. May be mildly corrosive to steel and aluminium.
Incompatible with strong acids, alkaloids and pyrogallol. Non combustible material.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH2J

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Not classified as hazardous according to the criteria of ASCC.

Quality Specification

Assay: 99.0% min.

Specific Properties and Impurities [Typical levels]:

Decomposition Temp.	240 °C
Solubility in Water	75 g/L (20 °C)
pH of a 5% solution (25 °C)	8.7-9.3
Insoluble matter	≤ 0.01%
Loss on drying @ 105 °C	≤ 0.2%
Chloride (Cl)	≤ 0.002%
Nitrogen compounds (as N)	≤ 0.002%
Sulfate (SO ₄)	≤ 0.005%
Heavy metals (as Pb)	≤ 0.001%
Iron (Fe)	≤ 0.002%

CONFORMS TO ACS

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