



# Product Specification

**Product Name: di-SODIUM HYDROGEN ORTHOPHOSPHATE  
Dodecahydrate AR**

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

Properties

Chemical Formula:

Molecular Weight: 358.14

Product Code: SA016

CAS No. 10039-32-4

General Information:

May be mildly corrosive to steel and aluminum. Very slightly soluble in alcohol.  
Incompatible with strong acids, alkaloids, antipyrine, chloral hydrate, lead acetate,  
pyrogallol and resorcinol.

Hazard and Safety Data

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

Quality Specification

Assay: 98.0 - 100.5%

Specific Properties and Impurities [Typical levels]:

Insoluble substances	≤ 0.4%
Loss on drying (130°C)	55.0 - 64.0%
Chloride (Cl)	≤ 0.06%
Sulfate (SO <sub>4</sub> )	≤ 0.2%
Heavy metals (as Pb)	≤ 0.002%
Arsenic (As)	≤ 0.0016%
Residual solvents	Solvents (other than water) was not used during production or purification process of the product.

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