



# Product Specification

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

**Alternate Name(s)**

Description

Colourless translucent crystals; saline taste. Hygroscopic.

Properties

Chemical Formula:  $\text{Na}_2\text{HPO}_4$

Molecular Weight: 141.96

Product Code: SA204

CAS No. 7558-79-4

General Information:

Incompatible with strong acids, strong oxidising agents, alkaloids, antipyrine, chloral hydrate, lead acetate, pyrogallol and resorcinol. May react violently in contact with strong acids. Non combustible.

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.:

Not classified as hazardous according to the criteria of ASCC.

Quality Specification

Assay: 99.0% min.

Specific Properties and Impurities [Typical levels]:

Vapour Density (Air=1)	4.9
Specific Gravity	1.52
pH of a 5% solution (@ 25°C)	8.7-9.3
Insoluble matter	≤ 0.01%
Loss on drying at 105 °C	≤ 0.2%
Chloride (Cl)	≤ 0.002%
Sulfate (SO <sub>4</sub> )	≤ 0.005%
Heavy metals (as Pb)	≤ 0.001%
Iron (Fe)	≤ 0.002%
Decomposition Temperature	240 °C

CONFORMS TO ACS

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