



# Product Specification

**Product Name:** **SODIUM DIHYDROGEN ORTHOPHOSPHATE Dihydrate AR**

Alternate Name(s) Sodium phosphate monobasic

Description

Fine colourless crystals.

Properties

Chemical Formula:

Molecular Weight: 156.01

Product Code: SA328

CAS No. 13472-35-0

General Information:

Odourless. May evolve toxic fumes in fire.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: N/A

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay: 99.0% - 101.0%

Specific Properties and Impurities [Typical levels]:

Insoluble matter (calc. on dried subs.)	≤ 0.15%
pH of a 5% solution	4.2-4.5
Chlorides (Cl)	≤ 0.005%
Sulfates (SO <sub>4</sub> )	≤ 0.01%
Loss on drying (at 130°C)	21.5-24.0%
Substances reducing KMnO <sub>4</sub>	Passes test
Arsenic (As)	≤ 0.0002%
Calcium (Ca)	≤ 0.005%
Heavy Metals (as Pb)	≤ 0.0005%
Iron (Fe)	≤ 0.001%
Potassium (K)	≤ 0.005%
Magnesium (Mg)	≤ 0.005%

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38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia  
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

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