

Product Specification

Product Name: SODIUM DIHYDROGEN ORTHOPHOSPHATE AR

Alternate Name(s) Monosodium dihydrogen phosphate; Sodium acid phosphate; Sodium phosphate monobasic.

Description
White crystalline powder. Slightly hygroscopic.

Properties

Chemical Formula: NaH_2PO_4
Molecular Weight: 119.98

Product Code: SA061
CAS No. 7558-80-7

General Information:

Soluble in water. Incompatible with formaldehyde, strong bases and magnesium.
Mildly corrosive to steel and aluminium. Non combustible.

Hazard and Safety Data

Quality Specification

Assay: 98.0 - 103%

Specific Properties and Impurities [Typical levels]:

Solubility in Water	850 g/L (20 °C)
Melting point	60°C (crystallises)
Identification	Passes test
Appearance of solution	Clear and colourless
Insoluble in water	≤ 0.2%
pH (5% solution)	4.1-4.5
Chlorides (Cl)	≤ 0.02%
Sulfates (SO ₄)	≤ 0.03%
Reducing substances	Passes test
Loss on drying (130°C)	≤ 1.0%
Aluminium, calcium and related elements	Passes test
Arsenic (As)	≤ 0.0002%
Iron (Fe)	≤ 0.001%

UN Group:	None Allocated
Class:	None Allocated
UN Number:	None Allocated
Hazchem code:	None Allocated
CS MSDS Code:	1CH6C
Poison schedule:	Not Scheduled
Emergency Procedure Guide No.:	N/A

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