



Product Specification

Product Name: SODIUM ACETATE Trihydrate AR

Alternate Name(s) Sodium Acetate

Description

Colourless crystals; odourless; efflorescent.

Properties

Chemical Formula: $\text{CH}_3\text{COONa}\cdot 3\text{H}_2\text{O}$

Molecular Weight: 136.08

Product Code: SA105

CAS No. 6131-90-4

General Information:

Soluble in water; slightly soluble in alcohol; soluble in ether.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH65

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 - 101.0%

Specific Properties and Impurities [Typical levels]:

| | |
|----------------------------------|----------------|
| Autoignition temperature | 607°C |
| Specific Gravity | 1.45 |
| Melting Point | 58°C |
| Solubility in water | 613 g/l @ 20°C |
| pH of 5% solution (25°C) | 7.5 - 9.2 |
| Insoluble matter | ≤ 0.005% |
| Chloride (Cl) | ≤ 0.001% |
| Phosphate (PO ₄) | ≤ 0.0005% |
| Sulfate (SO ₄) | ≤ 0.002% |
| Heavy Metals (as Pb) | ≤ 0.0005% |
| Substances reducing permanganate | Passes test |
| Calcium (Ca) | ≤ 0.005% |
| Iron (Fe) | ≤ 0.0005% |
| Magnesium (Mg) | ≤ 0.002% |
| Potassium (K) | ≤ 0.005% |

CONFORMS TO ACS

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