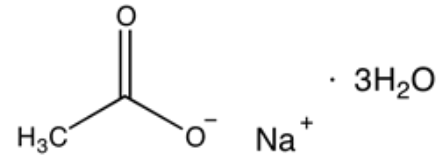


Sodium acetate trihydrate, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur**Identification**

CH₃COONa·3H₂O
M = 136,08 g/mol
CAS [6131-90-4]
EC number: 204-823-8
Taric code: 2915 29 00

**Synonyms**

Acetic acid sodium salt trihydrate

Applications

analytical chemistry, laboratory reagent, in the pharmaceuticals industry, in food industry (E 262), in buffer solutions (for biology).

Specifications

assay (titr. with HClO ₄ , referred to dried sample)	99,0 - 101,0 %	calcium and magnesium (as Ca).....	max. 0,005 %
assay (titration with HClO ₄).....	99,0 - 101,0 %	copper (Cu).....	max. 3 ppm
identity (IR-spectrum).....	passes test	heavy metals (as Pb).....	max. 5 ppm
appearance of solution	clear and colourless	iron (Fe).....	max. 5 ppm
insoluble in water.....	max. 0,005 %	lead (Pb).....	max. 5 ppm
pH (5 %, H ₂ O).....	7,5 - 9,0	magnesium (Mg).....	max. 5 ppm
arsenic (As).....	max. 0,2 ppm	potassium (K).....	max. 0,005 %
chlorides (Cl).....	max. 5 ppm	zinc (Zn).....	max. 5 ppm
phosphates (as PO ₄).....	max. 2 ppm	reducing substances.....	passes test
sulfates (SO ₄).....	max. 0,002 %	substances reducing KMnO ₄	
aluminium (Al).....	max. 5 ppm	(as HCOOH).....	max. 0,005 %
calcium (Ca).....	max. 0,001 %	loss on drying (130 °C).....	39,0 - 40,5 %

Physical data

- Appearance: crystals, white
- Spec. Density: 1,42 g/cm³
- Bulk density: ~ 900 kg/m³
- Solub. in water: (20 °C): 613 g/l
- Melting point: 58 °C
- Boiling point: > 400 °C (anhydrous substance) (decomposes)
- Flash point: > 250 °C (anhydrous substance)
- Ignition temperature: 607 °C
- pH(50 g/l H₂O, 20 °C) 7,5 - 9,2

Transport/storage

- 10°C - 30°C