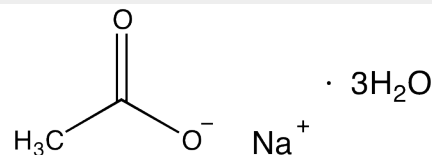


Sodium acetate trihydrate, for analysis, ExpertQ®, ACS, ISO, Reag. Ph Eur

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