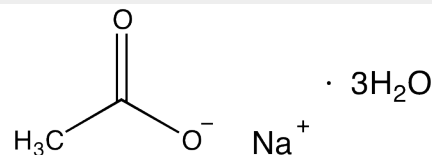


Sodium acetate trihydrate, Pharmpur®, Ph Eur, BP, USP

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), in pharma industry.

Specifications

assay (titr. with HClO₄, referred to dried sample) 99,0 - 101,0 %
Identification acetates..... passes test
Identification sodium..... passes test
appearance of solution clear and colourless
insoluble in water..... max. 0,05 %
pH (3 %, H₂O)..... 7,5 - 9,2
pH (5 %, H₂O)..... 7,5 - 9,0
chlorides (Cl)..... max. 200 ppm

sulfates (SO₄)..... max. 50 ppm
arsenic (As)..... max. 2 ppm
calcium and magnesium (as Ca)..... max. 50 ppm
calcium and magnesium (as Ca)..... passes test
iron (Fe)..... max. 10 ppm
potassium (K)..... passes test
reducing substances..... passes test
loss on drying (120 °C) 38,0 - 41,0 %
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