



PRODUCT CODE: 141632

Sodium Acetate 3-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

$C_2H_3NaO_2 \cdot 3H_2O$

$CH_3COONa \cdot 3H_2O$

M.= 136,08

CAS [6131-90-4]

EINECS 204-823-8

TARIC 2915 29 00 90

SYNONYMS: Acetic Acid Sodium Salt

PHYSICAL DATA: Small crystals, White, Soluble in water 762 g/l at 20 °C Thermal decom. above 120 °C • D 20/4 1,45
• M.P.: 58 °C • pH7,5 - 9,0 •

BIBLIOGRAPHY: Merck Index **12**, 8.711 13, 8.642 Sax **SEG500** • Safety **2**, **15 D** • Römp **8**, **2726** • Beilstein **2**, **96 IV**, **94** • BRN 3732037 • Fieser 11024 **5591** • ACS **XI** • ISO 6353/2-1983R - 29 , 39 • **BP.2021** • **USP 43** • Ph. Eur. **9.0** (2017) **10.0** (2020) • F.C.C **12 13** • **BOE 243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: RTECS: AJ 4580000 • LD50 oral mus 6.891 mg/kg • LD50 oral rat 3.530 mg/kg •

SPECIFICATIONS:

Assay (Perchl. Ac.) (calc. a.a.s)	99,0-101,0%
Identity :	
Identity according to Pharmacopoeias:	passes test
pH of 5% solution	7,5-9,0

Maximum limit of impurities

Appearance of solution	passes test
Insoluble matter in H2O	0,005 %
Reducing substances	passes test
Loss on drying at 130°C	39,0-40,5 %
Chloride (Cl)	0,005%
Nitrogen compounds (as N)	0,005%
Phosphate (PO4)	0,001 %
Sulfate (SO4)	0,003%

Residual solvents (Ph.Eur/USP)
Calcium and magnesium (as Ca) passes test
0,0050%

Al 0,00002 %
Fe 0,0010 %
K passes test

Elemental impurities (ICH Q3D):

Class 1

Cd 0,5 ppm
Pb 0,5 ppm
As 0,5 ppm
Hg 1,5 ppm

Class 2A

Co 5 ppm
V 10 ppm
Ni 20 ppm

Class 2B

Tl 0,8 ppm
Au 10 ppm
Pd 10 ppm
Ir 10 ppm
Os 10 ppm
Rh 10 ppm
Ru 10 ppm
Se 15 ppm
Ag 15 ppm
Pt 10 ppm

Class 3

Li 55 ppm
Sb 120 ppm
Ba 140 ppm
Mo 25 ppm
Cu 10 ppm
Sn 600 ppm
Cr 25 ppm