



PRODUCT CODE: 631632

Sodium Acetate 3-hydrate (Ph. Eur, BP, USP) IPEC 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:	
Identity Sodium	passes test
Identity Acetate	passes test
pH of 5% solution	7,5 - 9,0

Maximum limit of impurities

Appearance of solution	
Appearance Clear < formazin I	passes test
Appearance Colourless	passes test
Reducing substances	passes test

Loss on drying at 130°C	39,0 - 40,5 %
Chloride (Cl)	0,005 %
Phosphate (PO ₄)	0,001 %
Sulfate (SO ₄)	0,003%
Nitrogen Compounds (as N)	0,005 %
Residual solvents (Ph.Eur/USP)	passes test
Total aerobic microbial count (TAMC) + Total combined yeast and moulds (TYMC)	<50 cfu/g
Calcium and magnesium (as Ca)	0,005%
Calcium and magnesium	passes test
Insoluble matter	0,005 %
Al	0,00002 %
Fe	0,0010 %
K	passes test

Elemental impurities (ICH Q3D):

Class 1	
Cd	0,5 ppm
Pb	0,5 ppm
As	1,5 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	250 ppm
Sn	600 ppm
Cr	25 ppm