

Specification

Sodium Acetate 3-hydrate *BioChemica*

A1045

Synonym	Acetic Acid Sodium Salt
state of matter	Solid
Solubility (20°C)	1250 g/L (H ₂ O)
Melting point	58°C
Boiling point	123°C
Formula	CH ₃ COONa · 3H ₂ O
M	136.08 g/mol
CAS-No.:	6131-90-4
HS-No.:	29152900
EC-No.:	204-823-8
Storage:	RT
LGK:	10 - 13
WGK:	1
Specification	
Assay (titr.)	min. 99.5 %
pH (5 %; H₂O; 25°C)	7.5 - 9.0
Heavy metals (as Pb)	max. 0.001 %
Insoluble matter	passes test
Chloride	max. 0.0005 %
Phosphate	max. 0.0002 %
Sulfate	max. 0.002 %
A (1 cm/1 M in H₂O)	
260 nm	max. 0.01
280 nm	max. 0.01
Literature	
(1)	Wallace, D.M. (1987) <i>Methods Enzymol.</i> 152 , 41-48 Precipitation of nucleic acids.

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Comment

Sodium acetate is widely used in combination with ethanol to precipitate nucleic acids. A 3 M sodium acetate solution (pH 5.5) is used as a stock solution. To precipitate nucleic acids, this stock solution is mixed with the DNA solution in the ratio 1:10 (final concentration 0.3 M). For designated uses other salts like potassium acetate (A1498), ammonium acetate (A1030) or lithium chloride (A0985) should be preferred (1).

