

Specification

Sodium Acetate 3-hydrate *BioChemica*

A1045

Solubility:	1250 g/L (H ₂ O)
Physical Description:	Solid
Product Code:	A1045
Product Name:	Sodium Acetate 3-hydrate <i>BioChemica</i>
Specifications:	<p>Assay (titr.): min. 99.5 %</p> <p>pH (5 %; H₂O; 25°C): 7.5 - 9.0</p> <p>Heavy metals (as Pb): max. 0.001 %</p> <p>Insoluble matter: passes test</p> <p>Chloride: max. 0.0005 %</p> <p>Phosphate: max. 0.0002 %</p> <p>Sulfate: max. 0.002 %</p> <p>A (1 cm/1 M in H₂O)</p> <p>260 nm: max. 0.01</p> <p>280 nm: max. 0.01</p>
WGK:	1
Storage:	RT
Molecular Formula:	CH ₃ COONa · 3H ₂ O
M:	136.08 g/mol
CAS:	6131-90-4
EINECS:	204-823-8
CS:	29152900
Comment	<p>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).</p>

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Bibliography

(1)Wallace, D.M. (1987) *Methods Enzymol.* **152**, 41-48 Precipitation of nucleic acids.