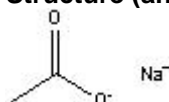


TECHNICAL INFORMATION

Catalog Number: 191433, 194012, 195496

Sodium Acetate

Structure (anhydrous):



	<i>Anhydrous</i>	<i>Trihydrate</i>
Molecular Formula:	C ₂ H ₃ O ₂ Na	C ₂ H ₃ O ₂ Na·3H ₂ O
Molecular Weight:	82.03	136.08
CAS #	127-09-3	6131-90-4

Synonym: Acetic acid, sodium salt

Physical Description: White granular powder

Solubility: Soluble freely in water; moderately soluble in alcohol.

Description: Used as a buffer in the buffering range of pH 3.6-5.6. Other reported uses:

- Used in the purification and precipitation of nucleic acids^{2,6,11}
- Used in protein crystallization³
- Staining of gels in protein gel electrophoresis⁴
- HPLC⁵
- Mordant dyeing¹
- DNA microarray studies of *E. coli* response⁸
- Investigation of protein unfolding during reverse phase chromatography⁷
- Used in conjunction with sodium carbonate to enhance the activation of freeze-dried subtilisin Carlsberg in organic solvents¹⁰
- As a substrate ofr acetokinase⁹

Typical Buffer Composition:

0.1 M Sodium Acetate Buffer pH 5.2

To 800-900 ml deionized water add:

8.20 g sodium acetate and mix.

Adjust to pH 5.2 with 1.0 M NaOH

QS to 1 L with deionized water. Mix.

Availability:

Catalog Number	Description	Size
195496	Sodium Acetate, anhydrous, ACS Reagent Grade	500 g 1 kg 2 kg
194012	Sodium Acetate, anhydrous, molecular biology reagent	250 g 1 kg 5 kg
191433	Sodium Acetate, trihydrate, ACS Reagent Grade	100 g 500 g 1 kg 5 kg

Catalog Number	Description	Size
532348	Sodium Acetate 1- ¹³ C, 99% ¹³ C atom ¹³ CCH ₃ O ₂ Na MW: 83.03	1 g
532349	Sodium Acetate 2- ¹³ C, 99% ¹³ C atom ¹³ CCH ₃ O ₂ Na MW: 83.03	1 g 5 g 10 g

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