



## Specification

### Sodium Acetate Anhydrous ACS/USP/FCC

<b>Catalog Number:</b>	SA1003
<b>CAS Number:</b>	127-09-3
<b>Synonym(s):</b>	Acetic acid sodium salt
<b>Molecular Formula:</b>	C <sub>2</sub> H <sub>3</sub> NaO <sub>2</sub>
<b>Molecular Weight:</b>	82.03
<b>Storage:</b>	15°C – 30°C
<b>Retest Period:</b>	Five years from date of manufacture.

Test	Specification
Appearance	White crystalline powder
Assay(ACS)	≥ 99.0%
Assay(USP/FCC)	99.0% - 101.0%
Identification(ACS)	To pass test
Identification(USP/FCC)	
Identification A	Reaction of Sodium
Identification B	Reaction of Acetate
Solubility(USP)	Soluble in water, insoluble in alcohol
Solubility(FCC)	1 gram dissolves in about 2ml of water
pH(ACS,5%)	7.0 – 9.2
pH(USP,3%)	7.5 – 9.2
Insoluble Matter(ACS)	≤ 0.01%
Insoluble Matter(USP)	≤ 0.05%
Moisture(ACS/USP/FCC)	≤ 1.0%
Chloride(ACS)	≤ 0.002%
Chloride(USP)	≤ 350ppm
Phosphate(ACS)	≤ 0.001%
Sulfate(ACS)	≤ 0.003%
Sulfate (USP)	≤ 50ppm
Calcium(ACS)	≤ 0.005%
Magnesium(ACS)	≤ 0.002%
Calcium&Magnesium(USP)	No turbidity produced
Heavy Metals(ACS/USP)	≤ 10ppm
Iron(ACS)	≤ 0.001%
Lead(FCC)	≤ 2mg/kg
Potassium(USP)	No precipitates produced
Potassium(FCC)	To pass test
Alkalinity(FCC)	≤ 0.2%
Residual Solvents: Solvent other than purified water was not used during production of product.	
All lots meet specifications for ACS11, USP40 and FCC10.	



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Approved:

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