

# Sodium Acetate, Trihydrate

## Technical Data Sheet



Product Identification	<b>Synonyms</b>	Acetic Acid, Sodium Salt trihydrate	
	<b>CAS No.</b>	6131-90-4	
	<b>EINECS/ELINCS</b>	204-823-8	
	<b>Molecular Formula</b>	NaC <sub>2</sub> H <sub>3</sub> O <sub>2</sub> ·3H <sub>2</sub> O	
	<b>Molecular Weight</b>	136.08	
	<b>Description</b>	Sodium acetate trihydrate is a clear, fine crystal containing about 40% water of crystallization.	
Specifications		<b>ACS</b>	<b>Reagent</b>
	<b>Identification (FTIR)</b>		Pass
	<b>Assay</b>	99.0-101.0%	99% min
	<b>Appearance</b>		Pass
	<b>Solubility in Water</b>		Pass
	<b>Solubility in 95% Ethanol</b>		Pass
	<b>Melting Point</b>		56-60° C
	<b>Insoluble Matter</b>	0.005% max	
	<b>pH of a 5% solution @25°C</b>	7.5-9.2	
	<b>Chloride</b>	0.001% max	
	<b>Sulfate</b>	0.002 % max	
	<b>Calcium</b>	0.005% max	
	<b>Magnesium</b>	0.002%max	
	<b>Substances Reducing Permanganate</b>	Passes Test	
	<b>Potassium</b>	0.005% max	
	<b>Phosphate</b>	5 ppm max	
	<b>Heavy Metals (as Pb)</b>	5 ppm max	
<b>Iron</b>	5 ppm max		
Physical Properties	<b>Appearance</b>	White crystal, hygroscopic	
	<b>Solubility in water@20°C</b>	762 g/L	
Packaging	100kg poly-lined fiber drums. Store in a cool dry place. Minimize exposure to humidity.		
Applications	Sodium Acetate is used as buffers in petroleum production and drilling muds, in food preservation and electroplating. Sodium Acetate is an intermediate used to make organic compounds such as dyes, pigments, pharmaceuticals, cinnamic acid. Used in the purification of glucose.		

For toxicity or regulatory information please consult the Material Safety Data Sheet.

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