



## Certificate of Analysis

### Sodium Acetate Anhydrous ACS/USP/FCC

**Catalog Number:** SA1003  
**Lot Number:** 0905902  
**CAS Number:** 127-09-3  
**Synonym(s):** Acetic acid sodium salt  
**Molecular Formula:** C<sub>2</sub>H<sub>3</sub>NaO<sub>2</sub>  
**Molecular Weight:** 82.03  
**Storage:** 15°C – 30°C  
**Date of Manufacture:** April 18, 2019  
**Retest Date:** April 17, 2024

Test	Specification	Result
Appearance	White crystalline powder	Conforms
Assay(ACS)	≥ 99.0%	100.02%
Assay(USP/FCC)	99.0% - 101.0%	100.19%
Identification(ACS)	To pass test	Conforms
Identification(USP/FCC)		
Identification A	Reaction of Sodium	Conforms
Identification B	Reaction of Acetate	Conforms
Solubility(USP)	Soluble in water, insoluble in alcohol	Conforms
Solubility(FCC)	1 gram dissolves in about 2ml of water	Conforms
pH(ACS,5%)	7.0 – 9.2	8.62
pH(USP,3%)	7.5 – 9.2	8.56
Insoluble Matter(ACS)	≤ 0.01%	0.004%
Insoluble Matter(USP)	≤ 0.05%	0.004%
Moisture(ACS/USP/FCC)	≤ 1.0%	0.17%
Chloride(ACS)	≤ 0.002%	< 0.002%
Chloride(USP)	≤ 350ppm	< 20ppm
Phosphate(ACS)	≤ 0.001%	< 0.001%
Sulfate(ACS)	≤ 0.003%	< 0.003%
Sulfate (USP)	≤ 50ppm	< 30ppm
Calcium(ACS)	≤ 0.005%	0.0005%
Magnesium(ACS)	≤ 0.002%	0.0003%
Calcium&Magnesium(USP)	No turbidity produced	Conforms
Heavy Metals(ACS)	≤ 10ppm	< 10ppm
Iron(ACS)	≤ 0.001%	< 0.001%
Lead(FCC)	≤ 2mg/kg	1.1mg/kg
Potassium(USP)	No precipitates produced	Conforms
Potassium(FCC)	To pass test	Conforms
Alkalinity(FCC)	≤ 0.2%	0.1%



# Gojira Fine Chemicals, LLC

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Residual Solvents: Solvent other than purified water was not used during production of product.
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This lot meets specifications for ACS11, USP41 and FCC11.
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Approved by:

Date: September 5, 2019

A handwritten signature in blue ink that reads "John Grubb". The signature is written in a cursive, flowing style.

John Grubb, PhD  
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