



**ChemPure\* Brand  
Chemicals**

DATE: MAY 14, 2014

...Pure Quality

## CERTIFICATE OF ANALYSIS

### SODIUM ACETATE Crystals ACS

Item Number: **CP-M2282, CP-A2282**  
Lot No: S1850-B1213  
Chemical Description: Sodium Acetate, Trihydrate, Crystals, Reagent ACS

CAS Number: [6131-90-4] EINECS: 204-823-8  
Molecular Formula:  $\text{CH}_3\text{CO}_2\text{Na} \cdot 3\text{H}_2\text{O}$  Melting Point: 58 °C (136 °F)  
Molecular Weight: 136.08 Boiling Point: 122 °C (252 °F)  
Density: 1.45 g/cm<sup>3</sup> (20 °C)

| Test                             | Specification        | Result  |
|----------------------------------|----------------------|---------|
| Assay                            | ≥99.0 - 101.0%       | 100.1%  |
| Appearance                       | White Crystal/Powder | PASS    |
| Insoluble Mater                  | ≤0.005%              | <0.005% |
| pH of 5%Solution @25 °C          | 7.5 – 9.2            | 8.0     |
| Chloride (Cl)                    | ≤0.001%              | <0.001% |
| Phosphate (PO <sub>4</sub> )     | ≤5 ppm               | <5 ppm  |
| Sulfate (SO <sub>4</sub> )       | ≤0.002%              | <0.002% |
| Calcium (Ca)                     | ≤0.005%              | <0.005% |
| Magnesium (Mg)                   | ≤0.002%              | <0.002% |
| Iron (Fe)                        | ≤5 ppm               | <5 ppm  |
| Substances Reducing Permanganate | TO PASS TEST         | PASS    |
| Potassium (K)                    | 0.005%               | <0.005% |
| Heavy Metals (Pb)                | 5 ppm                | <5 ppm  |

Approved by:

VKM

QA/QC Manager