

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-06-14 15:53:26  
Date of Next Testing: 2028-06-13 15:53:26  
Product Name: **Betaine monohydrate**  
CAS Number: 590-47-6  
Specifications & Purity: 99%  
Lot #: F2405229  
SKU #: **B106221**  
Version: **0**  
Analysis #: **338288**  
Storage Temperature: Store at 2-8°C

| Parameter  | Limit Values             | Result                   |
|--|--------------------------|--------------------------|
| Purity(Titration by HClO <sub>4</sub> )                                      | 99-101 (%)               | 100.07 %                 |
| Water by Karl Fischer  | 10-16 (%)                | 13.08 %                  |
| Appearance (B106221)   | White Powder or Crystals | White Powder or Crystals |
| Solubility in H <sub>2</sub> O , Colorless,Clear,100 mg/mL, H <sub>2</sub> O | pass                     | Pass                     |
| Infrared spectrum  | Conforms to Structure    | Conforms to Structure    |



John Su  
QA & QC Manager