

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

Date of Testing: 2023-03-01 17:02:41  
Date of Next Testing: 2027-02-28 17:02:41  
Product Name: **Sodium tert-butoxide**  
CAS Number: 865-48-5  
Specifications & Purity: 98%  
Lot #: B23211054  
SKU #: **S109392**  
Analysis: **183005**

| Parameter                                               | Limit Values                                       | Result                                             |
|---------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| Purity(Nonaqueous Titration)                            | 97.5-102.5 (%)                                     | 100.29000 %                                        |
| NaOH + Na <sub>2</sub> CO <sub>3</sub> (as NaOH)        | 0-1.5 (%)                                          | 0.80000 %                                          |
| total alkalinity (as NaOC <sub>4</sub> H <sub>9</sub> ) | 99-100 (%)                                         | 99.50000 %                                         |
| Appearance (S109392)                                    | white to pale yellow Powder, Crystals and/or Chunk | white to pale yellow Powder, Crystals and/or Chunk |
| Infrared spectrum                                       | Conforms to Structure                              | Conforms to Structure                              |
| Proton NMR spectrum                                     | Conforms to Structure                              | Conforms to Structure                              |



John Su  
QA & QC Manager