

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

## Certificate of Analysis

Date of Testing: 2024-01-05 10:03:05  
Date of Next Testing: 2028-01-04 10:03:05  
Product Name: **Sodium pyruvate**  
CAS Number: 113-24-6  
Specifications & Purity: 99%  
Lot #: A2403384  
SKU #: **S104174**  
**Analysis:** **305737**  
Storage Temperature: Store at 2-8°C

| Parameter                                                                   | Limit Values                 | Result                       |
|-----------------------------------------------------------------------------|------------------------------|------------------------------|
| Purity(Titration by HClO <sub>4</sub> )                                     | 99-101 (%)                   | 99.88000 %                   |
| Heavy metal (as Pb)                                                         | 0-20 (ppm)                   | 0.00000 ppm                  |
| Loss on drying                                                              | 0-0.5 (%)                    | 0.00000 %                    |
| Sodium(Na)                                                                  | 19.9-21.5 (%)                | 20.22500 %                   |
| Appearance (S104174)                                                        | White or light yellow powder | White or light yellow powder |
| Solubility in H <sub>2</sub> O , Colorless to Faint Yellow ,Clear,100 mg/mL | pass                         | Pass                         |
| Proton NMR spectrum                                                         | Conforms to Structure        | Conforms to Structure        |



John Su  
QA & QC Manager