

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-12-26 11:55:05  
 Date of Next Testing: 2029-12-25 11:55:05  
 Product Name: **Sodium pyruvate**  
 CAS Number: 113-24-6  
 Specifications & Purity:  $\geq 99\%$   
 Lot #: L2523503  
 SKU #: **S104174**  
 Version: **3**  
 Analysis #: **625961**  
 Storage Temperature: Store at 2-8°C

| Parameter                                                                   | Limit Values                 | Result                       |
|-----------------------------------------------------------------------------|------------------------------|------------------------------|
| Loss on drying                                                              | 0-0.5 (%)                    | 0.36600 %                    |
| Heavy metal (as Pb)                                                         | 0-20 (ppm)                   | 0.00000 ppm                  |
| Assay(Titration by HClO <sub>4</sub> )                                      | 98.5-101.5 (%)               | 99.41000 %                   |
| 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                         |
| ICP: Confirms Sodium Component                                              | Confirmed                    | Confirmed                    |
| Proton NMR spectrum                                                         | Conforms to Structure        | Conforms to Structure        |



John Su  
QA & QC Manager