

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

|                          |                                                                                                  |
|--------------------------|--------------------------------------------------------------------------------------------------|
| Date of Testing:         | 2026-04-15 17:27:34                                                                              |
| Date of Next Testing:    | 2028-04-14 17:27:34                                                                              |
| Product Name:            | T7 DNA Ligase                                                                                    |
| Lot #:                   | ZJ26F0434252                                                                                     |
| SKU #:                   | T750877                                                                                          |
| Version:                 | 1                                                                                                |
| Analysis #:              | 031714                                                                                           |
| Source:                  | Recombinant                                                                                      |
| Specifications & Purity: | Bioactive, Recombinant, High performance, ActiBioPure™, EnzymoPure™, 3 KU/μl;expressed in E.coli |
| Concentration:           | 3 KU/μl                                                                                          |
| Formulation:             | Liquid                                                                                           |
| Reconstitution:          |                                                                                                  |
| Storage Conditions:      | Store at -20°C, Avoid repeated freeze-thaw cycles                                                |
| Analysis:                | 031714                                                                                           |

| Parameter                                           | Limit Value | Result  |
|-----------------------------------------------------|-------------|---------|
| Appearance(T750877)                                 | Liquid      | Liquid  |
| Enzyme activity: 3KU/μL                             | Conform     | Conform |
| Endonuclease Activity (Nicking)                     | Conform     | Conform |
| DNA Contamination (E.coli Genomic) ≤1 E.coli genome | Conform     | Conform |
| Purity(SDS-PAGE)≥98%                                | Conform     | Conform |
| RNase Activity (Extended Digestion)                 | Conform     | Conform |
| Seal Integrity Testing                              | Conform     | Conform |
| Exonuclease Activity (Radioactivity Release)        | Conform     | Conform |



Sophia Cheng  
Quality Assurance