

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

|                          |                                                                                                                                                                                  |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Date of Testing:         | 2026-06-11 08:16:40                                                                                                                                                              |
| Date of Next Testing:    | 2028-06-10 08:16:40                                                                                                                                                              |
| Product Name:            | RNase A                                                                                                                                                                          |
| Lot #:                   | ZJ26F0636304                                                                                                                                                                     |
| SKU #:                   | R1522663                                                                                                                                                                         |
| Version:                 | 1                                                                                                                                                                                |
| Analysis #:              | 035802                                                                                                                                                                           |
| Source:                  | Native                                                                                                                                                                           |
| Specifications & Purity: | Bioactive, ActiBioPure™, High performance, EnzymoPure™, DNase free, Native, Suitable for Molecular Biology, ≥85% (SDS-PAGE), from Bovine Pancreas; ≥80 Kunitz U/mg enzyme powder |
| Concentration:           |                                                                                                                                                                                  |
| Formulation:             | Lyophilized                                                                                                                                                                      |
| Reconstitution:          | Reconstitute in 50 mM Tris-HCl (pH 7.4), 50% Glycerol.                                                                                                                           |
| Storage Conditions:      | Store at -20°C, Avoid repeated freeze-thaw cycles                                                                                                                                |
| Analysis:                | 035802                                                                                                                                                                           |

| Parameter                                                                                                                          | Limit Value        | Result             |
|------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------|
| Appearance (R1522663)                                                                                                              | Lyophilized powder | Lyophilized powder |
| Purity (SDS-PAGE) ≥85%                                                                                                             | Conform            | Conform            |
| Enzyme activity (enzyme powder): ≥80 Kunitz U/mg                                                                                   | Conform            | Conform            |
| Functional Test: 1 µg RNA incubated with 5 ng RNase A in a 10 µL system at 37 °C for 1 h achieves complete RNA digestion.          | Conform            | Conform            |
| DNase Activity: 15 ng dsDNA fragments incubated with 10 µg RNase A in a 20 µL system at 37 °C for 16 h shows no dsDNA degradation. | Conform            | Conform            |



Sophia Cheng  
Quality Assurance