

ALADDIN SCIENTIFIC CORPORATION

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## Specification Sheet

|                          |                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Product Name:            | Recombinant Trypsin (Pharmacopoeia Grade)                                                                                             |
| SKU #:                   | R774506                                                                                                                               |
| Version:                 | 1                                                                                                                                     |
| Source:                  | Recombinant                                                                                                                           |
| Specifications & Purity: | Animal Free, Carrier Free, Bioactive, High performance, ActiBioPure™, EnzymoPure™, PharmPure™, ≥95% (SDS-PAGE), ≥3800USP unit/mg pro. |
| Concentration:           | ≥3800USP unit/mg pro.                                                                                                                 |
| Formulation:             | Lyophilized                                                                                                                           |
| Reconstitution:          |                                                                                                                                       |
| Storage Conditions:      | Store at -20°C, Protected from light, Desiccated, Avoid repeated freezing and thawing                                                 |

| Parameter                                                                                                                       | Limit Values              |
|---------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Appearance(R774506)                                                                                                             | White or off-white powder |
| Identification(After adding p-toluenesulfonyl-L-arginine methyl ester hydrochloride test solution, turns purple after stirring) | Conform                   |
| Protein content                                                                                                                 | 40-100(%)                 |
| Unit enzyme activity (enzyme powder)                                                                                            | ≥2500(U/mg)               |
| Specific activity                                                                                                               | ≥3800(U/mg)               |
| Purity(HPLC) : α-trypsin                                                                                                        | 0-20(%)                   |
| Purity(HPLC) : β-trypsin                                                                                                        | 70-100(%)                 |
| Microbial Limit ≤100 CFU/mL                                                                                                     | Conform                   |