

ALADDIN SCIENTIFIC CORPORATION

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## Specification Sheet

|                          |                                                                                                                                                                                                                                         |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name:            | Alpha 1 Antitrypsin from human plasma                                                                                                                                                                                                   |
| SKU #:                   | np001161                                                                                                                                                                                                                                |
| Version:                 | 1                                                                                                                                                                                                                                       |
| Source:                  | Native                                                                                                                                                                                                                                  |
| Specifications & Purity: | Bioactive, High performance, ActiBioPure™, PBS Only, ≥95% (SDS-PAGE), Pre-lyophilization Protein Concentration                                                                                                                          |
| Concentration:           | Pre-lyophilization Protein Concentration                                                                                                                                                                                                |
| Formulation:             | Lyophilized                                                                                                                                                                                                                             |
| Reconstitution:          | After centrifugation, we suggest addition of de-ionized H2O to the original volume (See COA), followed by gentle mixing to ensure adequate homogenization. If further dilution is required, we suggest using the lyophilization buffer. |
| Storage Conditions:      | Store at -20°C, Avoid repeated freezing and thawing                                                                                                                                                                                     |

| Parameter                   | Limit Values             |
|-----------------------------|--------------------------|
| Appearance(np001161)        | White lyophilized powder |
| Purity(SDS-PAGE) ≥95%       | Conform                  |
| Trypsin inhibitory activity | 75-100(%)                |