

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Specification Sheet

Product Name:	Transferrin (APO) from Human Plasma
SKU #:	np001127
Version:	1
Source:	Native
Specifications & Purity:	BioReagent, Low Endotoxin, Bio Processing Grade, Native, $\geq 98\%$ (SDS-PAGE), Iron Content: $< 30\mu\text{g/g}$ ; Pre-lyophilization Protein Concentration: See COA
Concentration:	Iron Content: $< 30\mu\text{g/g}$ ; Pre-lyophilization Protein Concentration: See COA
Formulation:	Lyophilized
Reconstitution:	After centrifugation, we suggest addition of de-ionized H <sub>2</sub> O to the original volume (See COA), followed by gentle mixing to ensure adequate homogenization. If further dilution is required, please use the lyophilization buffer.
Storage Conditions:	Store at $-20^{\circ}\text{C}$ , Avoid repeated freezing and thawing

Parameter	Limit Values
Appearance(np001127)	Off-white to slightly off-white lyophilized powder
Purity(SDS-PAGE) $\geq 98\%$	Conform
Molecular Weight	72-88(kD)
Protein Content (Dried Basis) $\geq 95\%$	Conform
Solubility: Readily soluble in 1% solution	Conform
Iron Content $\leq 30\mu\text{g/g}$	Conform
Endotoxin Level $\leq 1 \text{ EU/mg}$	Conform
Bioburden $< 10 \text{ CFU/mg}$	Conform
IEP: Single arc by IEP against antisera to whole human serum and human Transferrin	Conform

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

---

Parameter	Limit Values
No reaction to antisera to human Albumin, Alpha 1 Antitrypsin, Antithrombin III, GC Globulin, Haptoglobin, IgG, and Prealbumin	Conform
pH(6.5-8)	Conform