



**Product:** holo-Transferrin  
Human  
Powder

**Catalog #: 800-131P**  
**Lot #: H020028**  
**Origin: United States**

**Manufacture Date: Sep 2020**  
**Expiration Date: Sep 2025**

| TEST                           | METHODOLOGY                       | SPECIFICATION                             | RESULTS                       |
|--------------------------------|-----------------------------------|---|-------------------------------|
| <b>Biological Testing</b>      |                                   |   |                               |
| Bioburden                      | BBI SMP 1097                      | <10 cfu/mL                                | Pass                          |
| Endotoxin                      | LAL                               | ≤1 EU/mg                                  | <0.05 EU/mg                   |
| <b>Microbiological Testing</b> |                                   |   |                               |
| Mycoplasma                     |                                   | Not Detected                              | Not Detected                  |
| <b>Viral Testing</b>           |                                   |   |                               |
| HBsAg                          |                                   | Non-Reactive                              | Non-Reactive                  |
| Anti-HCV                       |                                   | Non-Reactive                              | Non-Reactive                  |
| Anti-HIV-1/HIV-2               |                                   | Non-Reactive                              | Non-Reactive                  |
| ALT                            |                                   | Negative                                  | Negative                      |
| Syphilis                       |                                   | Negative                                  | Negative                      |
| HBV-NAT                        |                                   | Non-Reactive                              | Non-Reactive                  |
| HIV-NAT                        |                                   | Non-Reactive                              | Non-Reactive                  |
| HAV-NAT                        |                                   | Non-Reactive                              | Non-Reactive                  |
| HCV-NAT                        |                                   | Non-Reactive                              | Non-Reactive                  |
| Parvo B19-NAT                  |                                   | Non-Reactive                              | Non-Reactive                  |
| <b>Physical Testing</b>        |                                   |   |                               |
| Appearance                     |                                   | Report                                    | Salmon pink to Reddish Powder |
| pH @ RT, 3% Solution           |                                   | 6.5-8.0                                   | 7.43                          |
| Moisture                       |                                   | ≤5.0%                                     | 1.42%                         |
| Solubility                     |                                   | Readily Soluble at 1% in De-ionized water | Pass                          |
| Optical density                |                                   | Report                                    | 12.092                        |
| <b>Biochemical Testing</b>     |                                   |   |                               |
| Purity                         | Cellulose Acetate Electrophoresis | ≥98% of total protein                     | Pass                          |
| Protein Analysis               |                                   | >98%                                      | 102.15%                       |
| SDS-Polyacrylamide Gel         |                                   | Conforms                                  | Pass                          |
| Iron Estimated by ICP          |                                   | 1200 - 1700 ppm                           | 1397 ppm                      |



**Product:** holo-Transferrin  
Human  
Powder

**Catalog #: 800-131P**  
**Lot #: H020028**  
**Origin: United States**

**Manufacture Date: Sep 2020**  
**Expiration Date: Sep 2025**

*Results shown were obtained by carefully performed methods believed to be reliable. However, since some results may vary for specific tests depending upon methodology and other variables, it is suggested that tests for which results are particularly important be repeated by the user of this product.*

*All human blood products are collected from stringently screened donors at FDA-licensed collection centers in the United States. All donors are tested and found to be negative for Indirect Antiglobulin*

*Single homogenous batch, heat treated at 62±2°C for 10 hours and lyophilized from approximately 0.02M NH4HCO3. May contain traces of buffer salts. Dispensed by dry weight.*

*Store at 2-8 °C. Allow temperature to equilibrate to room temperature prior to use.*

Harjot Bains / 23 JUN 2021

Created By/ Date

AKM 23 JUN 2021

Verified By/Date