CERTIFICATE OF ANALYSIS

Human apo-Transferrin

Powder

(Catalog Number 800-130P)

Lot Number: H424001

Date of Manufacture: Jan2024

Product Expiry: Jun2027

Origin: United States

Storage Temperature: 2-8°C

For Cell Culture, further Manufacturing or Research use only. Not for Direct Therapeutic use.

Test	Methodology	Specification	Analysis
Biological Testing			
Bioburden		<10 cfu/mL	<10 cfu/mL
Endotoxin	LAL assay	<1 EU/mg	<0.05 EU/mg
Microbiological Testing			
Mycoplasma		Not Detected	Not Detected
Viral Testing			
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		Not Detected	Not Detected
HIV-NAT		Not Detected	Not Detected
HAV-NAT		Not Detected	Not Detected
HCV-NAT		Not Detected	Not Detected
Parvo B19-NAT		Non-Reactive	Non-Reactive
Physical Testing			
Appearance		Report	White Crystalline Powder
pH @ RT, 3% Solution		6.5-8.0	6.96
Moisture		≤5.0%	0.51%
Solubility		Readily Soluble at 1% in De-ionized Water	Pass
Optical Density		Report	11.55
Biochemical Testing			
Purity	Cellulose Acetate Electrophoresis	≥98% of total protein	≥98% of total protein
Protein Analysis		>98%	101.9%
SDS-Polyacrylamide Gel		Conforms	Conforms
Iron Estimated ICP		<50 ppm	9 ppm

GeminiBio

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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 screened donors at FDA-licensed collection centers in the United States.

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.

The testing that has been performed as part of this lot release has been reviewed by Quality Assurance personnel and has confirmed that the testing meets the specifications presented on this Certificate of Analysis.

Jacqueline Wilson
Name

QA Specialist
Title

31 JAN 2024
Date