

CERTIFICATE OF ANALYSIS

HUMAN TISSUE PROTEIN

Human Liver Ferritin

Code No.	P103-7
Grade	Highly Pure
Lot No.	

RECEIVER INFORMATION

Expiry Date	(Assign 4 years shelf-life from date of manufacture)
Manufacturing Date	
Storage Temperature	2-8°C.
Storage Notes	Do not freeze.
Shipping Notes	Cool pack.

PRODUCT INFORMATION

Source	Human liver tissue from US origin.
Nominal Purity	>96% of the protein is Liver Ferritin.
Presentation	Single homogenous batch, 0.2µm filtered, supplied liquid in a 0.05M TRIS buffer, pH 7.5, containing 1.0M NaCl and 0.09% NaN ₃ .
Recovery	In order to meet our customer needs, it should be noted that there is normally a dispensing overage allowance and the product recovery may, therefore, be greater than expected.

HEALTH AND SAFETY

Application	For Research and Manufacturing Only.
--------------------	--------------------------------------

Infectious Disease Tests

Starting material donor serum tested using FDA approved tests for:	Result
HIV 1 & 2 antibodies	
Hepatitis B Surface Antigen	
Hepatitis C virus antibodies	
HIV/HBV/HCV NAT	
Syphilis RPR	

Precaution	No test can guarantee the absence of an infectious agent. Please handle as potentially hazardous.
-------------------	---

Material Safety	For further information and technical details, please download a Safety Data Sheet at www.bbisolutions.com or contact your BBI Account Manager.
------------------------	---

ANALYSIS

TESTS	SPECIFICATIONS	RESULTS
-------	----------------	---------

Determination Method

Ferritin concentration by Radial Immunodiffusion (RID) vs. BBI Solutions standard.	3-10 mg/ml	mg/ml
Total protein concentration as determined by Lowry	Report result	mg/ml
Polyacrylamide Gel Electrophoresis	To show one band corresponding to Ferritin molecular weight, some aggregates are visible. After reduction a major band corresponding to Ferritin sub-unit is visible.	Pass/Fail
Cellulose Acetate Electrophoresis	One major band	Pass/Fail
Bioburden	<10 CFU/ml	Pass/Fail

Physical Appearance Dark red liquid.

Purity Defined by bands corresponding to subunit molecular weight and whole molecule, molecular weight after reduction on Native 4-20% PAGE.

Name:		Position:	
Signed:		Date:	