CERTIFICATE OF ANALYSIS

HUMAN URINE PROTEIN

Human Alpha-1-Microglobulin (α_1M)

Code No.	**P121-9E**
Grade	**Standard**
Lot No.	

RECEIVER INFORMATION

Expiry Date	5 years from manufacture date
Manufacture Date	
Storage Temperature	Store at 2-8°C.
Storage Notes	Do not freeze.
Shipping Notes	Cool pack.

PRODUCT INFORMATION

Source	Urine from patients with chronic renal tubular proteinuria.
Nominal Purity	≥40%
Presentation	Single homogenous batch, 0.2µm filtered, supplied liquid in a 0.05M Phosphate Buffer, pH 7.5, containing 0.15M NaCl and 0.09% Sodium Azide.
Additional Information	Supplied in amber vials and free from particulates and hemolysis.
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 pool tested for:	Result
HIV 1 & 2 antibodies	
Hepatitis B Surface Antigen	
Hepatitis C virus antibodies	

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:		
Radial Immunodiffusion (RID) using BBI SPRS standard	**>1 mg/ml**	**mg/ml**
SDS-Polyacrylamide Gel Electrophoresis	To show a major band corresponding to α1M molecular weight. (Under certain conditions a dimer may occur at 54kD)	Pass/Fail
Lowry Assay	Report result	mg/ml
Albumin level as determined by RID	<5 %	%
Transferrin level as determined by RID	<5 %	%
Alpha-1-Microglobulin level as determined by Beckman Immage	Report result	mg/ml
Bioburden	<10 CFU/ml	Pass/Fail

Physical Appearance	Clear colourless liquid free from particulates and hemolysis
Purity	Defined as α_1M content by RID as a percentage of total protein by Lowry.

Name:		**Position:**	
Signed:		**Date:**	