

# CERTIFICATE OF ANALYSIS

## HUMAN URINE PROTEIN

### Retinol Binding Protein (RBP)

<b>Code No.</b>	<b>P124-1</b>
<b>Grade</b>	Highly Pure
<b>Lot No.</b>	

#### RECEIVER INFORMATION

<b>Expiry Date</b>	
<b>Manufacturing Date</b>	
<b>Storage Temperature</b>	2-8°C.
<b>Storage Notes</b>	Do not freeze.
<b>Shipping Notes</b>	Cool pack.

#### PRODUCT INFORMATION

<b>Source</b>	Urine from the patients with renal tubular proteinuria.
<b>Country Of Origin</b>	United Kingdom.
<b>Nominal Purity</b>	>96%
<b>Presentation</b>	Single homogenous batch, 0.2µm filtered, lyophilised from 0.02M NH <sub>4</sub> HCO <sub>3</sub> . May contain traces of buffer salts.
<b>Reconstitution Advice</b>	Use of phosphate buffer, pH >7.0 containing 0.15M NaCl is recommended. To ensure full product recovery, it is advised that reconstitution is performed directly into supplied vial incorporating further washings with the reconstitution buffer.
<b>Recovery</b>	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 tested using FDA approved tests for:	Result
HIV 1 & 2 antibodies	
Hepatitis B Surface Antigen	
Hepatitis C virus antibodies	
Syphilis	

**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](http://www.bbisolutions.com) or contact your BBI Account Manager.

**ANALYSIS**

TESTS	SPECIFICATIONS	RESULTS
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**Determination Method**

**Optical density at 280nm using  $E_{(0.1\%,1cm)} = 1.94$ .**

**> 2 mg/ml.**

**mg/ml.**

SDS- Polyacrylamide Gel Electrophoresis.

To show a major band corresponding to RBP approximate molecular weight of 21kD.

Pass/Fail.

Radial immunodiffusion (RID) using Siemens standard.

Confirm identity and verify dispensed quantity.

Pass/Fail.

Bioburden.

< 100 CFU/ml.

Pass/Fail.

**Physical Appearance**

White, lyophilised solid.

**Purity**

Defined as a single major band on SDS-PAGE.

<b>Name:</b>		<b>Position:</b>	
<b>Signed:</b>		<b>Date:</b>	