



## CERTIFICATE OF ANALYSIS

### Recombinant Human Prolactin

#### Product Specifications

<b>Product code:</b>	<b>P700-1</b>
<b>Batch No:</b>	54-178
<b>Product presentation:</b>	Single homogenous batch supplied lyophilised from 50mM NH <sub>4</sub> HCO <sub>3</sub> . May contain traces of buffer salts.
<b>Purity:</b>	Nominally greater than 98% of the protein is Prolactin.
<b>Starting material:</b>	Expressed from <i>Pichia pastoris</i> . N-Terminal sequence confirms first eight amino acids as: YLPICPGG
<b>Storage:</b>	Store at 2-8°C (short term). Store <-15°C (long term).
<b>Manufacture Date</b>	27/Mar/2009
<b>Reconstitution:</b>	Use of a pH neutral buffer is recommended.

#### Product Analysis

<b>SDS-Polyacrylamide Gel Electrophoresis:</b>	To show bands corresponding to Prolactin molecular weight of monomer 23kD.
<b>Protein concentration by Bradford of dispensing solution:</b>	1.672 mg/ml.
<b>Activity as determined by Roche E170 modular Analyser:</b>	38.45 iu/mg.

HPLC Analysis using a TSK gel G3000 SWXL and 280nm detection gives a predominant single peak at approximately 9.8 mins:

