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### **CERTIFICATE OF ANALYSIS**

**Name of the Sample** : **Peptone Powder for Bacteriology**  
**Batch No.** : **225976**  
**Date of Mfg** : **Sep 2022**  
**Date of Exp** : **Aug 2025**  
**Register No.** : **2022-23**  
**Qty of Sample** : **500gm**  
**Date of Analysis** : **Sep 2022**

<b>S. No</b>	<b>Test Parameters</b>	<b>Observed Values</b>	<b>Standard Values</b>
1.	<b>Description</b>	<b>Passes</b>	<b>Fine free flowing Creamy yellow to light brown powder</b>
2.	<b>pH (2% w/v solution)</b>	<b>6.15</b>	<b>5.0 - 7.0</b>
3.	<b>Loss on drying</b>	<b>5.81%</b>	<b>NMT 7.0 w/w</b>
4.	<b>Total nitrogen</b>	<b>14.12%</b>	<b>NLT 12.00% w/v</b>
5.	<b>Alpha amino nitrogen</b>	<b>5.03%</b>	<b>NLT 3.50% w/w</b>
6.	<b>Foreign material</b>	<b>Passes</b>	<b>Absent</b>
7.	<b>Solubility in water</b>	<b>Passes</b>	<b>Complete</b>
8.	<b>Suitability for micro- Biology &amp; bacteriology</b>	<b>Passes</b>	<b>To Pass test</b>

**Chief Chemist**