

Peptone Bacteriological

Product No.	Type of Product	Packaging Specifications
HAM005	Powder	500g/bottle

Usage

It is made from animal tissues and refined through enzyme digestion. It is widely used in the preparation of various microbial culture media.

Principle and Interpretation

Peptone is the main basic component of microbial culture medium, or the main raw material. Peptone is a water-soluble mixture of peptones, peptides, and amino acids obtained by hydrolyzing animal tissues with enzymes, acids, and alkalis. It is the most important basic component of microbial culture medium. Its main function in the culture medium is to provide nitrogen source for microbial growth, and it also has a buffering effect.

Technical parameter

Item	Standard requirements
Total nitrogen	≥ 14.5%
Amino nitrogen	≥ 2.0%
Water	≤ 5.0%
Ash	≤ 6.0%
Chloride	≤ 5.0%
pH (2% solution)	5.0-7.0

Storage and Shelf Life

Store in a dark, dry place and tighten the cap immediately after use. Shelf life is three years.

Precautions

1. Pay attention to dust when weighing, and wear a mask to avoid discomfort to the respiratory system.
2. Tighten the bottle cap immediately after using the dry powder to avoid moisture absorption and agglomeration. Store in a dark and dry place. The shelf life of unopened products is three years. After opening, the shelf life varies according to different storage conditions.
3. The certificate of analysis can be downloaded by logging on to the Huankai website <http://www.huankai.com>, opening the "Certificate of Analysis" page, and entering the product batch number.

Waste Disposal

After testing, the contaminated items were sterilized by high pressure sterilization at 121°C for 30 minutes.

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GUANGDONG HUANKAI MICROBIAL SCI.&TECH.CO.,LTD.

Address: No. 788 Shenzhou Road, Science City, Huangpu District, Guangzhou, Guangdong, China

Email: support@hkmbio.com

Website: <https://www.huankaigroup.com>