

Tryptone

Enzymatic digest of casein for preparing microbiological culture media

PHYSIC-CHEMICAL CHARACTERISTIC

Solubility in water at 5%	Complete
Loss on drying	≤ 6.0%
Total nitrogen	12.1-13.1%
α -amino nitrogen AN	2-3%
AN/TN x 100	26-37
Chloride (as NaCl)	≤ 1.0%

DESCRIPTION

Tryptone is an enzymatic digest of casein for use in preparing microbiological culture media. It is a nitrogen source rich in tryptophan and carbohydrate free. Hence, it is suitable for use in detecting indole production and in differentiating bacteria on the basis of their ability to ferment various carbohydrates. Tryptone can be used as an ingredient of dehydrated culture media and need dissolution in distilled or deionized water and sterilization by autoclaving.

STORAGE

The powder is very hygroscopic, store the powder at 10-30 °C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident.

WARNING and PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to national and local regulations in force.

REFERENCES

1. U.S. Department of Agriculture (1998) Microbiology laboratory guidebook, 3rd ed. Food safety and Inspection service, USDA, Washington, DC
2. Horowitz (ed) (2000) Official method of analysis of AOAC International, Gaithersburg, Md

PACKAGE

Code	Content	Packaging
611004	500 g	500 g of product in plastic bottle
621004	100 g	100 g of product in plastic bottle
6110045	5000 g	5000 g of product in plastic bottle

pH OF THE MEDIUM

7.2 ± 0.5 (5% solution)

SHELF LIFE

4 years









QUALITY CONTROL

Dehydrated powder

Appearance: free-flowing, homogeneous

Colour: cream

TABLE OF SYMBOLS

 LOT	Batch code		Consult instructions for use		Manufacturer		Contains sufficient for <n> tests
 REF	Catalogue number		Temperature limitation		Use by		Keep away from heat sources