

Edition 2008/04
 Replace Ed. 2006/05
 Provisional Technical Specification

Tryptone Plus

AI343

Definition

Tryptone Plus is manufactured by a controlled enzymatic hydrolysis of casein.

Description

Fine cream powder easily soluble in water.

Tryptone Plus contains a mix of peptides and free amino acids.

Use

Source of organic nitrogen and growth factors recommended in media for:

- Analytical microbiology
- Industrial fermentation.

Physico-chemical characteristics

	Standard
Solubility in water at 5 %	Complete
pH (5 % solution)	6.2 – 7.2
Loss on drying	≤ 8 %
Total nitrogen TN	12.0 – 13.5 %
α- amino nitrogen AN	4.3 – 5.5 %
AN/TN x 100	32 – 45
Residue on ignition	≤ 22 %
Chloride (as NaCl)	≤ 2.0 %

Microbiology

	Standard
Total aerobic microbial count	≤ 10 000 /g
Coliforms	≤ 10 /g
<i>Escherichia coli</i>	Absence / g
<i>Salmonella</i>	Absence / 25 g
<i>Staphylococcus aureus</i>	Absence / 10 g
Yeasts and moulds	≤ 20 /g



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Documentation

The certificate of analysis and the sanitary certificate are supplied with each delivery.

Packing and storage

25 kg net corrugated board box with inner polyethylene bags.

Upon request: 5 kg plastic drum.

Keep in original packaging closed when not in use, at room temperature in a dry area.

Hygroscopic product.

Best before: 3 years. (under validation)

Health and safety information

Dusty powder.

Avoid inhalation.

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