

ACID HYDROLYSATE OF CASEIN

Product obtained by acid hydrolysis of casein.

USE

ACID HYDROLYSATE OF CASEIN is produced by hydrochloric acid hydrolysis, neutralized with sodium hydrate and purified to eliminate the excess of sodium chloride. It is easily soluble in water and is characterized by low levels of vitamins and the absence of aromatic amino acids: it is composed of free, easily assimilated amino acids and offers an elevated nutritional value. It is suited for media intended to study the antibiotic resistance of microorganisms and the microbiological assay of tryptophan and vitamins.

PHYSICO-CHEMICAL CHARACTERISTICS

	Standard	Method
Solubility in water at 5%	Complete	Eur.Ph.3rd ed.
pH of 5% solution	4.5-6.0	Eur.Ph.3rd ed.
Loss on drying	≤ 6.0%	Eur.Ph.3rd ed.
Total nitrogen TN	7.0-8.0%	Eur.Ph.3rd ed.
α-amino nitrogen AN	4.5-6.5%	Eur.Ph.10th ed.
AN /TN x 100	56-93	
Chloride (as NaCl)	≤ 45%	Eur.Ph.3th ed.

TECHNIQUE

Acid Hydrolysate of Casein can be used as an ingredient of dehydrated culture media and need dissolution in distilled or deionized water and sterilization by autoclaving.

QUALITY CONTROL

Dehydrated powder

Appearance: free-flowing, homogeneous.

Colour: white.

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.








REFERENCES

- Hauowitz F. (1963). The chemistry and function of proteins. 2nd ed. Academic Press.
- Einarsson, H., Snygg, B.G., Ericsson, G. (1983). J. Agric. Food Chem. **31**:10.

PRESENTATION

Product	REF	Σ
ACID HYDROLYSATE OF CASEIN	610496	500 g
ACID HYDROLYSATE OF CASEIN	620496	100 g

TABLE OF SYMBOLS

LOT Batch code	 Caution, consult accompanying documents	 Manufacturer	 Contains sufficient for <n> tests	IVD <i>In Vitro</i> Diagnostic Medical Device
REF Catalogue number	 Fragile, handle with care	 Use by	 Temperature limitation	 Keep away from heat source



LIOFILCHEM s.r.l.

Via Scozia, Zona Ind.le - 64026, Roseto D.A. (TE) - ITALY

Phone +390858930745 Fax +390858930330

Website: www.liofilchem.net E-mail: liofilchem@liofilchem.net

