

Casein Tryptone

Casein-derived protein hydrolysate nitrogen source for microbiological culture-media and fermentation development.

CAS No. 91079-40-2	EC / List No. 293-428-4	Transport Non-dangerous goods
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Product Information

Casein-derived protein hydrolysate nitrogen source for microbiological culture-media and fermentation development.

Specifications

Parameter	Specification
Appearance	Light-yellow powder
Total nitrogen	≥12%
Amino nitrogen	≥3%
pH	5.0–7.0
Ash	≤12%
Moisture	≤7%
Water solubility	Completely soluble
Solution clarity	Slightly turbid
Precipitation	None

Quality limits follow the original ZXCHEM product specification; evaluate the complete culture or fermentation recipe and lot consistency.

Typical Properties

Property	Typical Value
Total Nitrogen	≥12%
Amino Nitrogen	≥3%

Applications

Microbiological culture media: Organic nitrogen and peptide ingredient for selected culture-media recipes. Evaluate organism growth, clarity and lot consistency in the intended medium.

Industrial fermentation development: Nutrient source for selected fermentation processes. Test nutrient balance, sterilization behaviour, yield and downstream product quality.

Process and incoming quality comparison: Compare total nitrogen, amino nitrogen, pH, ash and moisture with the process specification. The raw ingredient is not a ready-to-use sterile medium.

Packaging / Storage

Item	Information
Packing	25 kg lined bags
Storage	Store tightly sealed in a cool, dry, ventilated warehouse, protected from moisture, direct sunlight and strong oxidizers.
Shelf life	24 months in unopened original packaging under the stated cool, dry storage conditions.
Handling	Use clean dry tools and local powder extraction. Wear suitable protective gloves, safety goggles and work clothing; avoid dust inhalation and direct contact.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
Shanghai office	Room 1001, Building A, Caohejing Center, No. 1520 Gumei Road, Xuhui District, Shanghai, China
Telephone / Email	+86-21-54265599 / sales@zxchem.com.cn
Website	www.zxchem.com