

## Peptone, Industrial Grade

Cat. No. CEGZ-6438

Lot. No. (See product label)

### Introduction

#### Description

A light-colored protein hydrolysate powder produced from fresh meat, bone, casein or other animal tissues by acid or alkaline hydrolysis, supplying organic nitrogen and growth-supporting nutrients.

#### Applications

Culture-media ingredient for pharmaceutical microbiological testing and cultivation of microorganisms requiring a robust nitrogen source.

### Product Information

#### Source

Fresh meat, bone, casein or animal tissue

#### Appearance

Powder; pale yellow to brown; no caking; characteristic odor; free of visible foreign matter.

#### Form

Powder

#### pH Stability

2% aqueous solution: 4.5-7.0

#### Composition

Mixed protein hydrolysate containing peptides, amino acids and associated organic nutrients.

#### Quality

Industrial grade: Total nitrogen (dry basis)  $\geq 13.0\%$ ; Amino nitrogen (dry basis)  $\geq 2.0\%$ ; Ash (dry basis)  $\leq 10.0\%$ ; Moisture  $\leq 6.0\%$ ; Transparency (2% solution): slightly turbid Biochemical grade: Total nitrogen (dry basis)  $\geq 13.5\%$ ; Amino nitrogen (dry basis)  $\geq 2.0\%$ ; Ash (dry basis)  $\leq 10.0\%$ ; Moisture  $\leq 6.0\%$ ; Transparency (2% solution): clear Trial grade: Total nitrogen (dry basis)  $\geq 13.5\%$ ; Amino nitrogen (dry basis)  $\geq 2.5\%$ ; Ash (dry basis)  $\leq 10.0\%$ ; Moisture  $\leq 6.0\%$ ; Phosphate precipitation test: clear; Transparency (2% solution): clear

#### Usage

Use as a culture-medium ingredient; dissolve completely and sterilize before use.

### Usage and Packaging

#### Package

250 g/bottle; 1 kg; 25 kg