

Soya Peptone, Industrial Grade

Cat. No. CEGZ-6440

Lot. No. (See product label)

Introduction

Description

A plant-derived peptone produced from high-quality soybean protein by enzymatic hydrolysis and refining, yielding a powder rich in peptides, amino acids, vitamins and other nutrients.

Applications

Microbial cultivation including Streptococcus, pneumococci and Brucella, and industrial fermentation for antibiotics, vitamins, amino acids, organic acids and enzyme preparations.

Product Information

Source

Soybean protein

Appearance

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

Form

Powder

pH Stability

Industrial/biochemical grades, 2% aqueous solution: 4.5-7.0; Trial grade: 6.8-7.2

Composition

Enzymatically hydrolyzed soybean protein containing peptides, amino acids and vitamins.

Quality

Industrial grade: Total nitrogen (dry basis) $\geq 8.0\%$; Amino nitrogen (dry basis) $\geq 2.0\%$; Ash (dry basis) $\leq 17.0\%$; Moisture $\leq 7.0\%$; Transparency (2% solution): slightly turbid Biochemical grade: Total nitrogen (dry basis) $\geq 8.0\%$; Amino nitrogen (dry basis) $\geq 2.0\%$; Ash (dry basis) $\leq 17.0\%$; Moisture $\leq 7.0\%$; Transparency (2% solution): clear Trial grade: Total nitrogen (dry basis) $\geq 8.0\%$; Amino nitrogen (dry basis) $\geq 2.0\%$; Ash (dry basis) $\leq 17.0\%$; Moisture $\leq 7.0\%$; Phosphate precipitation test: 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