

Technical Data Sheet

Fermtech[®] Peptone from soy for biotechnology

Catalogue number: 111932

Description

Defatted soya meal is digested with the enzyme papain into amino acids and peptides. Soy peptone is a non-animal peptone that contains a broad range of nutrients. It is characterized by its high concentration of vitamins and carbohydrates. Its nitrogen content combined with the naturally occurring vitamins and high carbohydrate content facilitate rapid and profuse growth of fastidious microorganisms and for the resuscitation of injured microorganisms. The peptone from soy is not of animal origin.

Application

Soy peptone is used in culture media production as nutritive substrate for cultivation and resuscitation of a large variety of microorganisms. Thanks to its high carbohydrate count it is also used for diagnostic purposes, regarding particle size, clarity and density.

Typical Analysis

Appearance	Lightly yellow to lightly brownish-yellow, powder, characteristic not rotten smell
pH-value (5% water)	6.5 – 7.5
Total nitrogen (N) (Kjeldahl)	≥ 9.3% - 10.7%
Amino nitrogen (as N)	≥ 1.8 – 3.2%
Sulfated ash (800 °C)	≤ 15.0%
Loss on drying (105 °C)	≤ 6.0%
Suitability for microbiology	passes test

Ordering Information

Product	Cat. No.	Pack content
Fermtech [®] Peptone from soy for biotechnology	1119329025	25 kg

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