

Technical Data Sheet

Peptone from soymeal papain-digested, granulated for microbiology

Catalogue number: 107212

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.

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. Our special granulation of the soy peptone ensures rapid and uniform dissolution in water, as well as convenient and safe handling, as it prevents clumping and inhalation of the airborne powder.

Typical Analysis

Appearance	Lightly yellow to lightly brownish-yellow, granulate
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
Peptone from soymeal papain-digested for microbiology	1072120500	500 g
	1072125000	5 kg
	1072129025	25 kg

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