

Nu-Tek Yeast Peptone NTB4-UF

Product Code: 9604

For Use in CHO & Insect Cell Culture Systems

NTB4-UF is a yeast hydrolysate of a selected strain of *Saccharomyces cerevisiae*. The resulting yeast peptone is rich in, peptides, vitamins, amino acids and other micronutrients. This material is ultra-filtered to further remove impurities and improve filterability. It is brilliantly clear and completely soluble in a 5% solution. NTB4-UF can be used by itself or in conjunction with other ingredients. Enhanced performance has been observed in CHO, Vero, NS0, sf9, and sf21 cell culture applications.

SPECIFICATIONS:

Physical Analysis:

Moisture	≤ 8.0%
Total Nitrogen (dry basis)	≥ 9.0%
Amino Nitrogen (dry basis)	≥ 3.5%
pH (10% Solution)	5.0-7.5
Appearance	Light Tan Powder
Solubility	> 20g/L
Ash	<15%

Microbiological Analysis:

Standard Plate Count	< 5,000 CFU/g
Coliform	< 30 CFU/g
Salmonella	Negative/25g
Yeast & Mold	< 50 CFU/g
Endotoxin	< 300 EU/g

Packaging:

25 Kg Polyethylene bag in a corrugated box. Various other packaging configurations are available.

Storage Requirements:

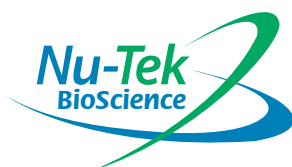
This product should be kept in a cool, dry and ventilated place. The product should be used as soon as possible after the bag has been opened. Any partially used bags must be sealed properly to prevent moisture adsorption by product.

Shelf Life:

The shelf-life of the product is 3 years when stored at <30°C.

Typical Free Amino Acid Profile(mg/g):

Amino Acid	Free Amino Acid
ASP	7.5
ALA	4.9
ARG	3.6
CYS	0.7
GLU	12.7
GLY	3.5
HIS	1.6
ILE	3.8
LEU	5.2
LYS	5.9
MET	1.0
PHE	3.1
PRO	2.6
SER	2.9
THR	3.6
TYR	1.7
VAL	4.5
TOTAL	68.8



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technologies for the biotech and nutraceutical ingredient industries

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