

Nu-Tek Yeast Extract NTB3-UF

Product Code: 9603



QMS Certification Services

For Use in Mammalian and Insect Cell Culture

Nu-Tek's NTB-UF is a yeast extract of *Sacchromyces cerevisiae*. The resulting yeast product 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 high concentrations. NTB-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. This material is a suitable alternative to yeastolates, or yeast peptones often used in these applications.

Product Specification and Typical Mineral Content

<u>Test</u>	<u>Method</u>	<u>Typical Result</u>	<u>Mineral</u>	<u>Typical Result</u>
Appearance	Visual	Light Tan Powder	Calcium	38.2 mg/100g
Moisture	AOAC 991.02	≤8.0%	Copper	0.1 mg/100g
Total Nitrogen (dry basis)	AOAC 992.23	≥9.0%	Iron	7.4 mg/100g
Animo Nitrogen	AOAC 973.31	≥3.5%	Magnesium	9.1 mg/100g
pH (2% solution)	AACC-02-05	5.0-7.5	Phosphorus	1163.3 mg/100g
AN/TN Ratio	Calculation	0.45-0.65	Potassium	4196.7 mg/100g
IR	Spectrum	Compliant	Sodium	797.0 mg/100g
Standard Plate Count	AOAC 990.12	<5000 CFU/g	Zinc	25.0 mg/100g
Coliform	AOAC 991.14	<30 CFU/g		
Yeast & Mold	FDA BAM, 7 th Ed.	<50 EU/g		
Salmonella	AOAC 2004.03	Negative/25g		
Endotoxin	USP 85	≤750 ug/g		

Typical Amino Acid Profile

<u>Amino Acid</u>	<u>Mg/g</u>
ALA	48.1
ARG	31.6
ASP	62.3
GLU	68.5
GLY	28.7
HIS	13.1
ILE	29.3
LEU	37.8
LYS	46.8
MET	7.6
PHE	25.1
SER	28.0
THR	28.6
TYR	9.6
VAL	37.6

Packaging and Storage

Packaging: 25kg Polyethylene bag in a corrugated box or drum. Additional configurations 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 absorption by product.

Shelf Life: The shelf life of this product is 3 years when stored at <30°C.

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