

Nu-Tek Yeast Extract 903

Product Code: 9607



QMS Certification Services

For Use in Mammalian Cell Culture

Nu-Tek's 903 is a yeast extract of *Saccharomyces cerevisiae*. The resulting yeast product is rich in peptides, vitamins, amino acids and other micronutrients. It is brilliantly clear and completely soluble in a 5% solution. It can be used by itself or in conjunction with other ingredients.

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	24.7 mg/100g
Moisture	AOAC 991.02	≤8.0%	Copper	0.08 mg/100g
Total Nitrogen (dry basis)	AOAC 992.23	≥9.0%	Iron	17.9 mg/100g
Animo Nitrogen	AOAC 973.31	≥3.5%	Magnesium	8.1 mg/100g
pH (2% solution)	AACC-02-05	5.4-7.2	Phosphorus	1266.7 mg/100g
AN/TN Ratio	Calculation	0.45-0.65	Potassium	4683.3 mg/100g
IR	Spectrum	Compliant	Sodium	485.0 mg/100g
Standard Plate Count	AOAC 990.12	<100 CFU/g	Zinc	30.9 mg/100g
Coliform	AOAC 991.14	<30 CFU/g		
Yeast & Mold	FDA BAM, 7 th Ed.	≤50 CFU/g		
Salmonella	AOAC 2004.03	Negative/25g		
Endotoxin	USP 85	≤500 EU/g		

Typical Amino Acid Profile

<u>Amino Acid</u>	<u>mg/g</u>	<u>Free mg/g</u>
ALA	46.5	34.7
ARG	29.6	16.1
ASP	58.9	18.8
CYS	7.0	N/A
GLU	103.7	62.0
GLY	26.6	10.7
HIS	12.2	5.2
ILE	27.2	19.0
LEU	37.1	30.2
LYS	45.9	19.6
MET	9.2	7.2
PHE	24.7	20.0
SER	27.6	19.5
THR	27.1	15.7
TYR	11.1	5.6
VAL	34.3	22.6

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°.

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