

British Aqua Feeds Ltd
Unit E, Opus 36
New Potter Grange Road
Goole
East Yorkshire
DN14 6BZ
Tel: 01405 861764

High Nucleotide Yeast



High nucleotide yeast is a speciality, sprayed dried brewers' yeast autolysate powder, rich in soluble nutrients and natural β -glucans and β -mannans. It is high in free nucleotides which are essential building blocks for cell recognition and replication.

These free nucleotides are most important for young animals which have yet to develop endogenous enzyme systems to release free nucleotides from dietary materials. They are also important in certain disease states, periods of limited nutrient intake or rapid growth (juvenile stages) where endogenous supply is insufficient for normal function.

Product Identification:

Constituents	: Brewers' yeast, Saccharomyces spp.
EINECS No	: 309-709-2
CAS No	: 100684-36-4

Organoleptic Criteria:

Form	: Powder
Colour	: Dark tan/brown
Odour	: yeast savoury
Taste	: yeast savoury

Chemical Analysis:

Moisture	: 5% max
Protein	: 48%
Salt	: Salt free
Average molecular wt	: 90% less than 0.5kDa
Solubility	: 50% minimum

Bacteriology:

Total bacteria	: <10'000/g max
E Coli	: negative/g
Salmonella	: negative/25g

Total Amino Acids (g/100g of protein) typical values:

Lysine	: 5.5	Phenylalanine	: 3.5
Methionine	: 1.1	Aspartic Acid	: 7.5
Cystine	: 1.1	Serine	: 5.4
Tryptophane	: 1.3	Glutamic Acid	: 13.5
Valine	: 4.2	Proline	: 5.1
Leucine	: 5.8	Glycine	: 4.1
Isoleucine	: 3.4	Tyrosine	: 2.8
Histidine	: 2.1	Arginine	: 4.2
Threonine	: 4.4	Alanine	: 6.0

Particular components typical values:

Glutathion	: 540mg/100g
Cholin	: 290mg/100g
Mesoinositol	: 350µg/100g
Nucleic Proteins	: 12% of total protein

Typical Mineral Content:

Phosphorus	: 1.35%	Calcium	: 0.18%
Potassium	: 1.30%	Magnesium	: 0.18%

Typical Vitamin Content (per 100g):

Thiamine (B1)	: 10.5mg	Pantothenic Acid	: 2.5mg
Riboflavin (B2)	: 3.5mg	Folic Acid	: 2.0mg
Nicotinamide (B3)	: 3mg	Vitamin B12	: 0.2µg
Biotin (B7)	: 90µg		

Packaging:

25kg Poly lines paper bags on pallets.

BRITISH AQUA FEEDS