



## Product Data Sheet

# Hy-Yest 412 Powder

Product Code: 20052804 Date: 23/06/15

### **General Description**

Hy-Yest 412 is a spray-dried extract from baker's yeast, (*Saccharomyces cerevisiae*) made from yeast grown specifically for cell nutrition purposes. The appearance of Hy-Yest 412 is a free-flowing, light beige colored granule in a non-dusting form.

### **Application**

Hy-Yest 412 is an excellent source of soluble proteins, amino acids, vitamins, and essential elements. Hy-Yest 412 is suitable for use in all food and pharma fermentation applications.

### **Specification**

Appearance: Light brown non-dusting powder.  
Organoleptic: Matches previous control sample.

### **Chemical Data (typical)**

Total Solids	: 94.0%
Total Nitrogen	: 10.2% minimum
Amino Nitrogen	: 4.0% minimum
pH	: 5.0 – 5.6
Ash	: 15% maximum
Salt	: 1.0% maximum

### Microbiological Specifications

Standard plate count 10,000 CFU/g maximum

Enterobacteriaceae 10 CFU/g maximum

Moulds and Yeasts 100 CFU/g maximum

### **Other Properties for Informational Purposes Only**

Solubility @ 25°C <25 g/L

Molecular Weight Distribution

>10 kDa 0.2%

5-10 kDa 0.1%

2-5 kDa 3.6%

1-2 kDa 14.4%

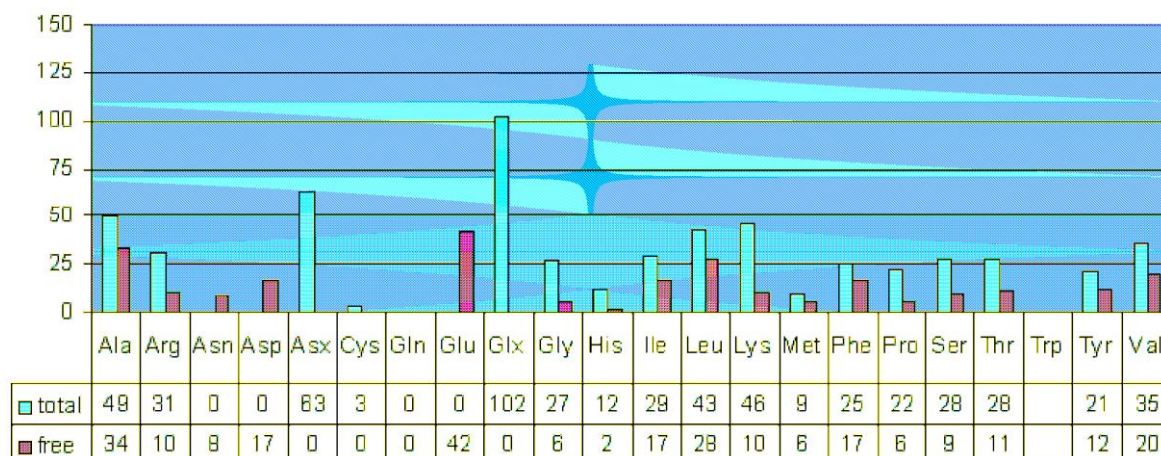
1k-500 Da 17.2%

<500 Da 64.4%

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Typical Amino Acid Profile (mg/g)



### **Legal Status**

Yeast Extract, Kosher

Local food regulations should always be consulted with respect to specific applications and necessary declarations. Legislation may vary from country to country.

### **Packaging & Storage**

Cardboard carton with polythene liner containing 15kg product. Store in a cool, dry place in original, intact packaging. Shelf Life is 24 months in original, intact packaging and under ideal storage conditions.