

TECHNICAL DATA SHEET

Article No. 9263

Yeast Extract

SPECIFICATION

Culture Media Ingredient

DESCRIPTION

Yeast Extract is a water soluble extract of fresh autolysed yeast cells (*Saccharomyces cerevisiae*) prepared and standardised for use in microbiological culture media. It is a source of universal growth factors such as peptides, free amino acids, purine and pyrimidine nucleobases, trace elements and hydrosoluble vitamins from the B complex. It is commonly added to culture media in concentrations between 0.2 % and 1.0 %. Yeast Extract does not contain any component of animal origin and therefore has no risk of transmission of animal spongiform encephalopathies. It is not derived from or produced using GMOs or their derivatives and all reasonable steps have been taken to avoid contamination from GMOs or derivatives. This has been verified by a declaration from suppliers.

PHYSICO-CHEMICAL CHARACTERISTICS

Appearance of powder	yellow to beige
Solubility in water 2 %	total
Stability after autoclave	no precipitate
Dry matter (%)	≥ 94.0
pH (solution 2 %)	6.5-7.5
Amino Total TN (% w/w)	10.0-11.8
Amino Nitrogen AN (% w/w)	4.5-5.8
Sodium chloride (%)	≤ 0.5
Proteins (TNitrogen x 6.25)	62.5-73.8
Total carbohydrates	7.0-13.0
Vitamin contents (non exhaustive):	
Thiamine (Vitamin B1)	15-110 mg/kg (ppm)
Riboflavin (Vitamin B2)	80-130 mg/kg (ppm)
Pantothenic acid (Vitamin B5)	200-400 mg/kg (ppm)
Pyridoxine (Vitamin B6)	30-100 mg/kg (ppm)
Biotin (Vitamin B8)	3-10 mg/kg (ppm)
Folic acid (Vitamin B9)	15-60 mg/kg (ppm)
Cyanocobalamin (Vitamin B12)	1-5 µg/kg (ppm)
Niacin (PP Factor)	600-1000 mg/kg (ppm)

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Deutsche Bank (Swift/BIC DEUTDESSXXX)
IBAN DE06600700700125518100

St.-Nr. 70093/40018 / USt-IdNr. DE147510304
Amtsgericht Stuttgart / HRA-Nr. 254140
Persönlich haftende Gesellschafterin:
Geyer Beteiligungsgesellschaft mbH
Amtsgericht Stuttgart / HRB-Nr. 252035
Geschäftsführer: Lutz-Alexander Geyer / Thomas Roth

MICROBIOLOGICAL LIMITS

Total aerobic microbial count	< 5000 CFU/g
Coliforms	< 5 CFU/g
Moulds and yeasts	< 100 CFU/g
Spores of <i>Clostridium perfringens</i>	< 10 CFU/g
<i>Staphylococcus aureus</i>	absent in 10 g
<i>Escherichia coli</i>	absent in 10 g
<i>Salmonella spp.</i>	absent in 25 g

STORAGE

For laboratory use only. Keep tightly closed, away from bright light, in a cool dry place (4-30 °C).

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