

Yeast Extract**PG-7570-500ML**

Yeast Extract is a water-soluble extract of autolyzed yeast cells, primarily derived from *Saccharomyces cerevisiae*. It is a rich source of amino acids, peptides, vitamins, carbohydrates, and growth factors, making it an essential component in microbiological culture media, fermentation processes, molecular biology, and biotechnology applications. Yeast Extract serves as an excellent nutrient source for the cultivation of bacteria, fungi, and other microorganisms.

Parameter	Specification
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Product Name	Yeast Extract
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Source	<i>Saccharomyces cerevisiae</i>
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CAS Number	8013-01-2
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EC Number	232-387-9
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Appearance	Light beige to yellow-brown powder
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Solubility	Freely soluble in water
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pH (2% Solution)	6.5 – 7.5
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Total Nitrogen	≥ 9.0%
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Amino Nitrogen	≥ 3.0%
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Loss on Drying	≤ 8.0%
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Ash Content	≤ 17.0%
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Sodium Chloride	≤ 0.5%
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Safety

Harmful if inhaled, swallowed, or absorbed through skin. Suspected carcinogen. May cause liver, kidney, and central nervous system damage following prolonged or repeated exposure. Use in a well-ventilated area and wear appropriate PPE including gloves, lab coat, and safety goggles. Avoid contact with skin, eyes, and clothing. Store away from heat and incompatible materials.