

## Beef Extract

Ingredients (Extracts)

### Practical information

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Industry: Fermentation / Ingredients for culture media

### Principles and uses

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Beef Extract is prepared from very low fat bovine skeletal muscle and marrow, which is spinal column free with no tendons. Beef Extract is highly nutritious and is used in preparing microbiological culture media. It is recommended for use in culture media for the bacteriological examination of water, milk and other materials

### Physical-chemical characteristics

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| Description         | Specification | Typical Analysis |
|---------------------|---------------|------------------|
| Total nitrogen (TN) | >10,0%        | 12,5%            |
| Loss on drying      | <6%           | 2,5%             |
| Ash                 | <15%          | 9,4%             |
| pH (2% solution)    | 6,5-7,5       | 6,8              |

### Elemental profile

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| Descripción | Value  |
|-------------|--------|
| Magnesium   | 0,019% |
| Calcium     | 0,011% |
| Potassium   | 2,6%   |
| Sodium      | 1,6%   |

### Amino acids

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|               | Total (g/100g) |               | Total (g/100g) |               | Total (g/100g) |
|---------------|----------------|---------------|----------------|---------------|----------------|
| Alanine       | 3,28           | Serine        | 4,37           | Cystine       | 0,35           |
| Glutamic acid | 15,86          | Threonine     | 3,56           | Glycine       | 2,29           |
| Histidine     | 2,08           | Tryptophan    | 0,97           | Methionine    | 1,63           |
| Isoleucine    | 3,91           | Tyrosine      | 1,68           | Phenylalanine | 3,58           |
| Leucine       | 6,50           | Arginine      | 3,22           | Proline       | 6,91           |
| Lysine        | 5,98           | Aspartic acid | 6,60           | Valina        | 4,85           |

### Growth supporting properties

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| Descripción  | Value      |
|--------------|------------|
| Peptone agar | Good/Bueno |

### Microbiological test

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| Description        | Specification |
|--------------------|---------------|
| Hongos y levaduras | <100 CFU/g    |

Coliformes  
Salmonella  
Recuento en placa

Negative  
Negative  
<5.000 CFU/g

## Storage

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Temp. Min.:2 °C  
Temp. Max.:25 °C

DOMINIQUE DUTSCHER SAS