

**PRODUCT DESCRIPTION:**

Beef Extract Powder is prepared from very low fat bovine skeletal muscle and marrow, which is spinal column free with no tendons.

**POTENCIAL APPLICATIONS:**

It is highly nutritious and is used in preparing microbiological culture media. It is recommended for use in culture media for bacteriological examination of water, milk and other materials.

**PHYSICAL CHARACTERISTICS:**

Fine powder, yellow to light brown colored and no foreign particles.

Chemical Characteristics	Specifications	Typical Value
Total Nitrogen (TN)	Minimum 10,00%	12.50%
Loss on drying	Maximum 6,00%	2.50%
Ash	Maximum 15,00%	9.40%
pH (2% solution)	6,50 – 7,50	6.80

Microbiological Characteristics	Specifications	Minerals	Typical Value
Standard plate count	Less than 5000 CFU/g	Calcium	0.011%
Yeasts and molds	Less than 100 CFU/g	Magnesium	0.019%
Coliforms	Negative	Potassium	2.60%
Salmonella	Negative	Sodium	1.60%

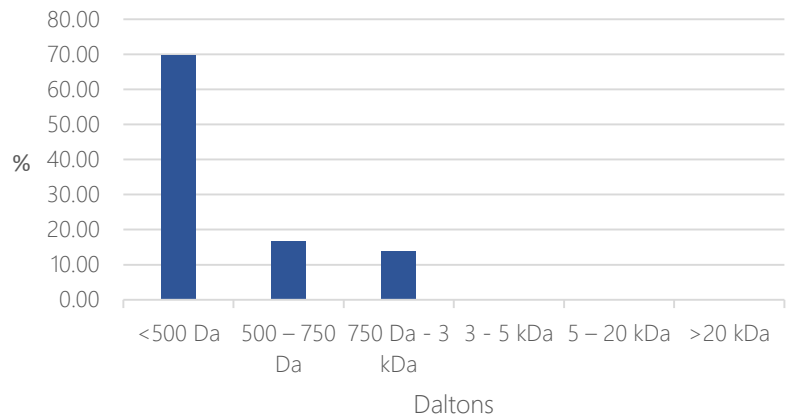
Growth Supporting Properties: satisfactory (according to internal controls)	
Bacterial	ATCC
<i>Escherichia coli</i>	25922
<i>Staphylococcus aureus</i>	25923
<i>Shigella flexneri</i>	12022
<i>Pseudomonas aeruginosa</i>	27853
<i>Enterococcus faecalis</i>	29212
<i>Streptococcus pyogenes</i>	19615
<i>Streptococcus pyogenes</i>	49117
<i>Streptococcus pneumoniae</i>	6305

PACKAGING	STORAGE	RETEST	CERTIFICATIONS
The dry product is packaged in polyethylene bags into reinforced fiber board drums. 25 kg   50 kg	Keep in original packaging closed, in a dry and cool place. Hygroscopic product.	4 years after its manufacturing date.	ISO 9001 SADER-SENASICA EDQM

**Molecular weight distribution %**

<500 Da	69.70
500 – 750 Da	16.60
750 Da - 3 kDa	13.70
3 - 5 kDa	0.00
5 – 20 kDa	0.00
>20 kDa	0.00
Average Molecular Weight Da	266.00

**MOLECULAR WEIGHT DISTRIBUTION**



**Amino acid g/100g**

Glutamic acid	15.86
Proline	6.91
Aspartic acid	6.60
Leucine	6.50
Lysine	5.98
Valina	4.85
Serina	4.37
Isoleucine	3.91
Phenylalanine	3.58
Threonine	3.56
Alanine	3.28
Arginine	3.22
Glycine	2.29
Histidine	2.08
Tyrosine	1.68
Methionine	1.63
Tryptophan	0.97
Cystine	0.35

**Amino acid Profile**

