

BEEF EXTRACT POWDER

Cat# 6001



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

Chemical characteristics	Specifications	Typical analysis
Amino Nitrogen (AN)	Minimum 3.9 %	4.1 %
Total Nitrogen (TN)	Minimum 10.0 %	12.48 %
AN/TN Ratio	N/A	32.9 %
Loss on drying	Maximum 6 %	2.5 %
Ash	Maximum 16 %	9.4 %
pH (2% solution)	6.5 – 7.5	6.8

Elemental profile

Calcium	0.011 %
Magnesium	0.019 %
Potassium	2.6 %
Sodium	1.6 %

Amino acids

	Total (g/100g)
Alanine	3.28
Arginine	3.22
Aspartic acid	6.60
Cystine	0.35
Glutamic acid	15.86
Glycine	2.29
Histidine	2.08
Isoleucine	3.91
Leucine	6.50
Lysine	5.98
Methionine	1.63
Phenylalanine	3.58
Proline	6.91
Serine	4.37
Threonine	3.56
Tryptophan	0.97
Tyrosine	1.68
Valine	4.85

Growth supporting properties

Peptone agar	Satisfactory
--------------	--------------

Microbiological analysis

Standard plate count	Less than 5000 col/g
Yeasts and molds	Less than 100 col/g
Coliforms	Negative
Salmonella	Negative