

PRODUCT DESCRIPTION:

Heart Infusion (Porcine) is a specially formulated preparation of dried infusion from pork hearts supplied as a light, fine powder.

POTENCIAL APPLICATIONS:

It is a suitable substitute for heart infusion (bovine) in select microbiological culture media.

PHYSICAL CHARACTERISTICS:

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

Chemical Characteristics	Specifications	Typical Value
Total Nitrogen (TN)	Minimum 10,00%	11.70%
Loss on drying	Maximum 6,00%	4.00%
Ash	Maximum 15,00%	10.50%
pH (2% solution)	6,50 – 7,50	7.10

Microbiological Characteristics	Specifications	Minerals	Typical Value
Standard plate count	Less than 5000 CFU/g	Calcium	0.018%
Yeasts and molds	Less than 100 CFU/g	Magnesium	0.012%
Coliforms	Negative	Potassium	2.36%
Salmonella	Negative	Sodium	3.96%

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

The dry product is packaged in polyethylene bags into reinforced fiber board drums.
 25 kg | 50 kg

STORAGE

Keep in original packaging closed, in a dry and cool place.
 Hygroscopic product.

RETEST

5 years after its manufacturing date.

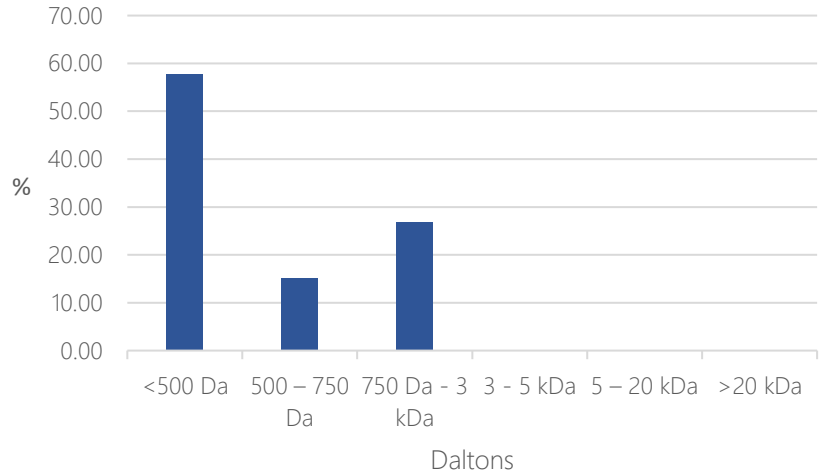
CERTIFICATIONS

ISO 9001
 SADER-SENASICA

Molecular weight distribution %

<500 Da	57.70
500 – 750 Da	15.14
750 Da - 3 kDa	26.90
3 - 5 kDa	0.00
5 – 20 kDa	0.00
>20 kDa	0.00
Average Molecular Weight Da	284.00

MOLECULAR WEIGHT DISTRIBUTION



Amino acid g/100g

Glutamic acid	14.77
Aspartic acid	8.77
Proline	5.84
Leucine	5.83
Lysine	5.43
Valine	4.24
Serine	3.81
Isoleucine	3.39
Threonine	3.33
Alanine	3.32
Phenylalanine	3.15
Arginine	3.08
Glycine	2.55
Methionine	1.65
Tyrosine	1.44
Tryptophan	0.91
Cystine	0.54
Histidine	0.05

Amino acid Profile

