

PRODUCT DESCRIPTION:

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

POTENCIAL APPLICATIONS:

It is for use in 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% | 11,00% |
| Loss on drying | Maximum 6,00% | 3,50% |
| Ash | Maximum 15,00% | 10,10% |
| pH (2% solution) | 6,50 – 7,50 | 7,00 |

| Microbiological Characteristics | Specifications | Minerals | Typical Value |
|---------------------------------|----------------------|-----------|---------------|
| Standard plate count | Less than 5000 CFU/g | Calcium | 0,009% |
| Yeasts and molds | Less than 100 CFU/g | Magnesium | 0,02% |
| Coliforms | Negative | Potassium | 1,40% |
| Salmonella | Negative | Sodium | 3,60% |

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

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

4 years after its manufacturing date.

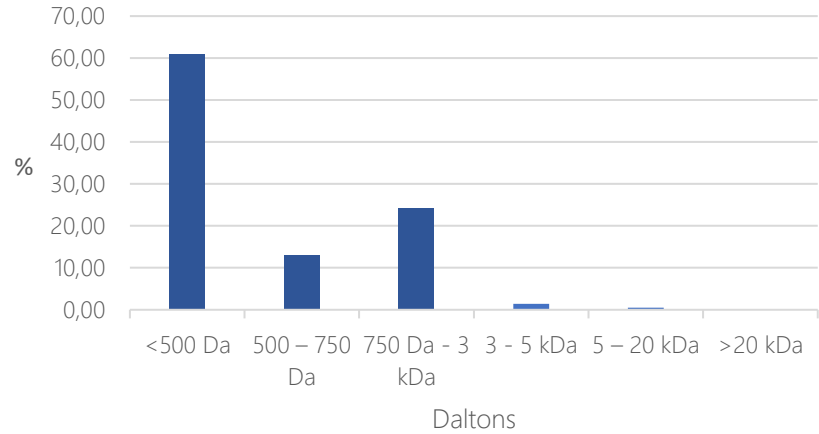
CERTIFICATIONS

ISO 9001
 SADER-SENASICA
 EDQM

Molecular weight distribution %

| | |
|-----------------------------|--------|
| <500 Da | 60,90 |
| 500 – 750 Da | 12,90 |
| 750 Da - 3 kDa | 24,30 |
| 3 - 5 kDa | 1,40 |
| 5 – 20 kDa | 0,50 |
| >20 kDa | 0,00 |
| Average Molecular Weight Da | 125,00 |

MOLECULAR WEIGHT DISTRIBUTION



Amino acid g/100g

| | |
|---------------|-------|
| Glutamic acid | 15,97 |
| Proline | 7,04 |
| Leucine | 6,68 |
| Aspartic acid | 6,05 |
| Lysine | 6,01 |
| Valina | 4,73 |
| Serina | 4,54 |
| Isoleucine | 3,91 |
| Phenylalanine | 3,66 |
| Arginine | 3,55 |
| Alanine | 3,20 |
| Threonine | 3,12 |
| Glycine | 2,50 |
| Histidine | 2,13 |
| Methionine | 1,75 |
| Tyrosine | 1,61 |
| Tryptophan | 0,87 |
| Cystine | 0,31 |

Amino acid Profile

