

PRODUCT DESCRIPTION:

Soy Peptone GMO-Free, Animal-Free is a specially designed product. The raw material to produce this soy peptone is guaranteed to be GMO-Free and Animal-Free (eliminates TSE/BSE issues).

POTENCIAL APPLICATIONS:

It is recommended for use in microbiological, tissue culture and fermentation media. This product is produced from raw materials that are Identity Preserved (IP).

PHYSICAL CHARACTERISTICS:

Fine powder, cream to yellow colored and no foreign particles.

| Chemical Characteristics | Specifications | Typical Value |
|--------------------------|----------------|---------------|
| Amino Nitrogen (AN) | Minimum 2,20% | 3,10% |
| Total Nitrogen (TN) | Minimum 7,00% | 9,76% |
| AN/TN | N/A | 34,84 |
| Loss on drying | Maximum 6,00% | 3,70% |
| Ash | Maximum 15,00% | 9,00% |
| pH (2% solution) | 6,50 – 7,50 | 7,30 |

| Microbiological Characteristics | Specifications |
|---------------------------------|----------------------|
| Standard plate count | Less than 5000 CFU/g |
| Yeasts and molds | Less than 100 CFU/g |
| Coliforms | Negative |
| Salmonella | Negative |

| Minerals | Typical Value |
|-----------|---------------|
| Calcium | 0,039% |
| Magnesium | 0,099% |
| Potassium | 4,50% |
| Sodium | 3,16% |

Growth Supporting Properties: satisfactory (according to internal controls)

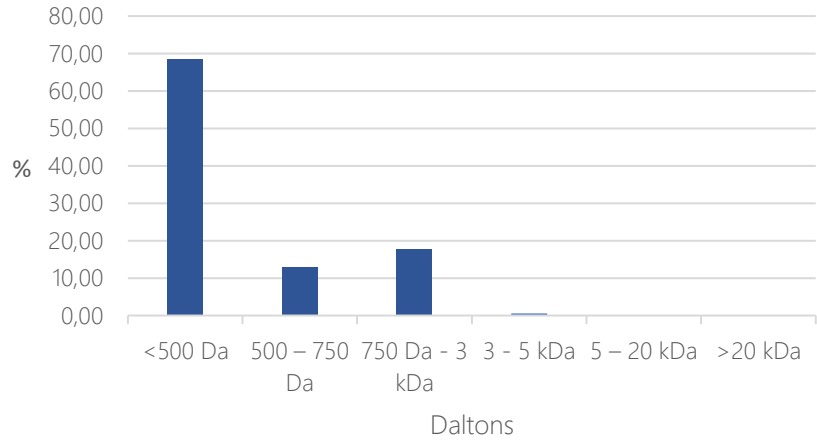
| Bacterial | ATCC |
|---------------------------------|-------|
| <i>Escherichia coli</i> | 25922 |
| <i>Staphylococcus aureus</i> | 25923 |
| <i>Shigella flexneri</i> | 12022 |
| <i>Pseudomonas aeruginosa</i> | 27853 |
| <i>Enterococcus faecalis</i> | 29212 |
| <i>Streptococcus pyogenes</i> | 19615 |
| <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 |

Molecular weight distribution %

| | |
|-----------------------------|--------|
| <500 Da | 68,50 |
| 500 – 750 Da | 13,00 |
| 750 Da - 3 kDa | 17,80 |
| 3 - 5 kDa | 0,60 |
| 5 – 20 kDa | 0,10 |
| >20 kDa | 0,00 |
| Average Molecular Weight Da | 194,00 |

MOLECULAR WEIGHT DISTRIBUTION



Amino acid g/100g

| | |
|---------------|-------|
| Glutamic acid | 11,83 |
| Aspartic acid | 9,00 |
| Leucine | 3,90 |
| Lysine | 3,85 |
| Alanine | 3,18 |
| Arginine | 3,05 |
| Valine | 2,94 |
| Serine | 2,69 |
| Threonine | 2,61 |
| Isoleucine | 2,55 |
| Proline | 2,54 |
| Glycine | 2,47 |
| Phenylalanine | 2,40 |
| Tyrosine | 1,38 |
| Histidine | 1,23 |
| Methionine | 0,86 |
| Cystine | 0,79 |
| Tryptophan | 0,68 |

Amino acid Profile

