

# Nu-Tek Soy Peptone HSP-A10KF

Product Code: 1000



QMS Certification Services

## Ultra-Filtered for Filterability & Functionality

HSP-A10KF is an enzymatically hydrolyzed Non-GM soy protein powder high in low molecular weight peptides. HSP-A10KF is ultra-filtered for use as a low bio, low endotoxin ingredient with improved filterability. The product is brilliantly clear in solution and can be used in fermentation and advanced cell culture media. This material is completely soluble when used at concentrations as high as 35%. HSP-A10KF is Animal-free, Kosher and HALAL.

### SPECIFICATIONS:

#### Typical Analysis:

|                            |              |
|----------------------------|--------------|
| Moisture                   | <6.0%        |
| Total Nitrogen (dry basis) | 7.5-9.2%     |
| Amino Nitrogen (dry basis) | 2.8-4.2%     |
| pH (10% solution)          | 6.3-7.3      |
| Standard Plate Count       | <5,000 cfu/g |
| Coliform                   | <10 cfu/g    |
| Yeast and Mold             | <50 cfu/g    |
| Salmonella                 | Negative/25g |
| Endotoxin                  | <500 EU/g    |

#### Packaging:

25 Kg Polyethylene bag in a plastic drum

#### Storage Requirements:

This product should be kept in a cool, dry and ventilated place. The product should be used as soon as possible after the bag has been opened. Any partially used bags must be sealed properly to prevent moisture absorption by product.

#### Shelf Life:

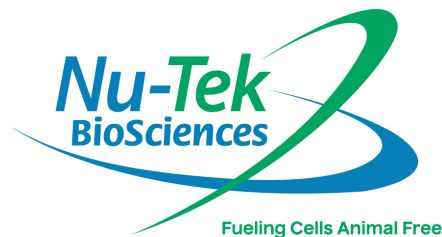
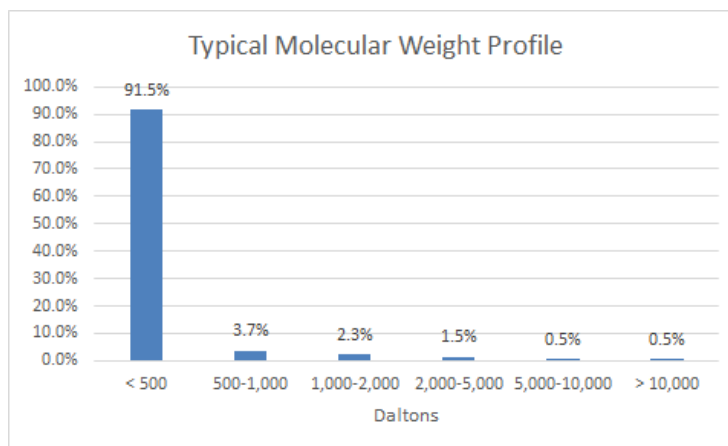
The shelf life of the product is 3 years when stored at <30° C.

### Typical Amino Acid Profile

| Amino Acid | mg/g Free |     |
|------------|-----------|-----|
| ASP        | 52.6      | 5.3 |
| CYS        | NA        | NA  |
| SER        | 22.6      | 2.3 |
| TYR        | 8.8       | 0.9 |
| GLU        | 86.7      | 8.7 |
| VAL        | 20.2      | 2   |
| GLY        | 17.5      | 1.8 |
| MET        | 5.9       | 0.6 |
| HIS        | 11.8      | 1.2 |
| LYS        | 23.4      | 2.3 |
| ARG        | 18.5      | 1.8 |
| ILE        | 19        | 1.9 |
| THR        | 17.4      | 1.8 |
| LEU        | 28.8      | 2.9 |
| ALA        | 19.6      | 2   |
| PHE        | 18.7      | 1.9 |

#### Additional Information:

|            |             |
|------------|-------------|
| Calcium    | 54.8mg/100g |
| Copper     | <0.1mg/100g |
| Iron       | 10.1mg/100g |
| Magnesium  | 250mg/100g  |
| Phosphorus | 322mg/100g  |
| Potassium  | 3596mg/100g |
| Sodium     | 2446mg/100g |
| Zinc       | 3.5mg/100g  |



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