

# Nu-Tek Soy Peptone HSP-A

Product Code: 1100



QMS Certification Services

## For Use in Culture Media and Fermentation Nutrient Systems

HSP-A is an enzymatically hydrolyzed Non-GM soy protein powder high in low molecular weight peptides. The product is brilliantly clear in solution and can be used in bacterial and cell culture fermentations. HSP-A is Animal-free, Kosher and HALAL.

### SPECIFICATIONS:

#### Physical Analysis:

|                            |          |
|----------------------------|----------|
| Moisture                   | < 5.0%   |
| Total Nitrogen (dry basis) | 7.5–9.2% |
| Amino Nitrogen (dry basis) | 2.8–3.6% |
| pH (10% Solution)          | 6.3–7.5  |

#### Microbiological Analysis:

|                      |              |
|----------------------|--------------|
| Standard Plate Count | <5,000 cfu/g |
| Coliform             | <10 cfu/g    |
| Yeast & Mold         | <50 cfu/g    |
| Salmonella           | Negative/25g |

#### Packaging:

25 Kg Polyethylene bag in a corrugated box.

#### 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 adsorption by product.

#### Shelf Life:

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

### Typical Amino Acid Profile (mg/g):

| Amino Acid   | Free       |
|--------------|------------|
| ASP          | 6          |
| CYS          | NA         |
| SER          | 9          |
| TYR          | 5          |
| GLU          | 15         |
| VAL          | 8          |
| GLY          | 2          |
| MET          | 4          |
| HIS          | 6          |
| LYS          | 16         |
| ARG          | 14         |
| ILE          | 9          |
| THR          | 5          |
| LEU          | 19         |
| ALA          | 5          |
| PHE          | 11         |
| <b>TOTAL</b> | <b>137</b> |

