

Nu-Tek Soy Peptone HSP-A

Product Code: 1100



QMS Certification Services

For Cell Culture Media and Industrial Fermentation

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 industrial fermentation and advanced cell culture media applications. This material is completely soluble when used at concentrations as high as 35%. 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

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.

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

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

