

# Nu-Tek Soy Peptone HSP-N UF

Product Code: 1075



QMS Certification Services

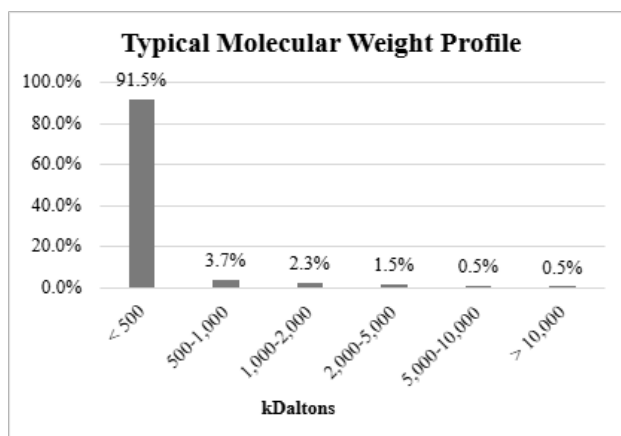
## Ultra-Filtered for Filterability and Functionality

HSP-N UF is an enzymatically hydrolyzed non-GM soy protein powder high in low molecular weight peptides. This product has been designed to have higher nitrogen content to help customers match registration requirements and fortify their supply chain. The product is brilliantly clear in solution and can be used in industrial fermentation and advanced cell culture media applications. HSP-N is Animal-free, Kosher and HALAL.

## Product Specification and Typical Mineral Content

Test	Method	Typical Result	Mineral	Typical Result
Appearance	Visual	Light Tan Powder	Calcium	51.4 mg/100g
Moisture	LOD	<5.0%	Copper	<0.1 mg/100g
Total Nitrogen (dry basis)	AOAC 992.23	>8.75%	Iron	10.2 mg/100g
Amino Nitrogen	AOAC 973.31	>3.5%	Magnesium	214.3 mg/100g
pH (2% solution)	AACC-02-05	6.7-7.5	Phosphorus	300.7 mg/100g
Standard Plate Count	AOAC 990.12	<1000 CFU/g	Potassium	2976.7 mg/100g
Coliform	AOAC 991.14	<10 CFU/g	Sodium	3106.7 mg/100g
Yeast & Mold	FDA BAM, 7 <sup>th</sup> Ed.	<50 CFU/g	Zinc	>3.4mg/100g
Salmonella	AOAC 2004.03	Negative/25g		
Endotoxin	USP 85	<200 EU/g		

## Typical Amino Acid Profile



Amino Acid	mg/g	Free mg/g
ALA	23.1	11.0
ARG	30.3	15.9
ASP	64.9	7.7
CYS	NA	NA
GLU	110.3	19.1
GLY	22.4	4.1
HIS	15	7.3
ILE	25.4	12.5
LEU	38.5	29.0
LYS	35.9	18.3
MET	7.5	5.1
PHE	26.2	17.5
SER	27.5	12.6
THR	20.6	6.9
TYP	10.8	1.6
VAL	26.4	14.5

## Packaging and Storage

**Packaging:** 25kg Polyethylene bag in a corrugated box or drum. Additional configurations available.

**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 this product is 3 years when stored at <30°C.

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