

Nu-Tek Pea Peptone HPP-A

Product Code: 7200



QMS Certification Services

For Cell Culture Media and Industrial Fermentation

HPP-A is an enzymatically hydrolyzed non-GM pea protein powder high in low molecular weight peptides. 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%. HPP-A is Animal-free, Kosher, HALAL and a non-allergen.

Product Specification and Typical Mineral Content

<u>Test</u>	<u>Method</u>	<u>Typical Result</u>	<u>Mineral</u>	<u>Typical Result</u>
Appearance	Visual	Light Tan Powder	Calcium	30.4 mg/100g
Moisture	AOAC 991.02	≤6.0%	Copper	0.02 mg/100g
Total Nitrogen (dry basis)	AOAC 992.23	12.0-14.5%	Iron	11.0 mg/100g
Amino Nitrogen	AOAC 973.31	≥4.0%	Magnesium	44.5 mg/100g
pH (2% solution)	AACC-02-05	6.3-7.3	Phosphorus	737.0 mg/100g
Standard Plate Count	AOAC 990.12	≤5000 CFU/g	Potassium	272.7 mg/100g
Coliform	AOAC 991.14	<10 CFU/g	Sodium	3693.3 mg/100g
Yeast & Mold	FDA BAM, 7 th Ed.	<50 CFU/g	Zinc	2.7 mg/100g
Salmonella	AOAC 2004.03	Negative/25g		

Typical Amino Acid Profile

<u>Amino Acid</u>	<u>mg/g</u>	<u>Free mg/g</u>
ALA	30.7	14.7
ARG	64.0	33.1
ASP	90.1	9.8
CYS	4.89	N/A
GLU	137.0	28.2
GLY	29.4	6.4
HIS	18.2	9.2
ILE	35.9	19.9
LEU	57.7	44.5
LYS	54.6	25.3
MET	7.8	2.6
PHE	38.9	31.3
SER	38.8	22.3
THR	26.6	10.2
TYP	15.6	5.2
VAL	38.3	23.6

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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