

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 with high concentrations of 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.

Product Specification and Typical Amino Acid Profile

<u>Test</u>	<u>Method</u>	<u>Typical Result</u>	<u>Amino Acid</u>	<u>Mg/100g</u>	<u>Free mg/100g</u>
Appearance	Visual	Light Tan Powder	ALA	20.1	7.8
Moisture	AOAC 991.02	<5.0%	ARG	24.6	10.7
Total Nitrogen (dry basis)	AOAC 992.23	7.5-9.2%	ASP	49.8	7.3
Animo Nitrogen	AOAC 973.31	2.8-3.6%	CYS	5.6	NA
pH (10% solution)	AACC-02-05	6.3-7.5	GLU	84.6	17.1
Standard Plate Count	AOAC 990.12	<5000 CFU/g	GLY	18.1	0.1
Coliform	AOAC 991.14	<10 CFU/g	HIS	12.2	10.3
Yeast & Mold	FDA BAM, 7 th Ed.	<50 CFU/g	ILE	19.8	8.6
Salmonella	AOAC 2004.03	Negative/25g	LEU	29.8	21.2
			LYS	23.4	7.1
			MET	6.3	3.9
			PHE	19.2	15.0
			SER	17.8	9.0
			THR	16.7	4.2
			TYR	29.4	2.1
			VAL	21.3	11.0

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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