



TECHNICAL INFORMATION

Kerry Inc.
3400 Millington Road Beloit, WI 53511 USA
Tel: 608.299.5100
www.kerry.com

PRODUCT SPECIFICATION

PRODUCT DETAILS

Part Number	5X00713
SAP Code	20070637
Product Name	HYPEP 4601N
Product Description	<p>HyPep 4601N is an ultrafiltered enzymatic digest of wheat gluten. The product provides a high quality source of peptides, particularly rich in stable glutamine containing peptides. Glutamine is regarded as an important precursor for nucleic acids as well as an excellent energy source in cell nutrition. HyPep 4601N contains relatively high levels of di- and tri-peptides and larger oligo-peptides that are themselves preferred by many organisms above free amino acids. HyPep 4601N has been designed specifically for cell culture applications and has demonstrated superior performance with many cell lines. No animal or animal-derived components are sourced for its manufacture.</p>

INGREDIENT DECLARATION

Enzymatic digest of wheat

(CONTAINS WHEAT)



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USAGE DETAILS

HyPep 4601N is strictly designed for cell culture media as an amino acid and glutamine source and/or as bovine serum replacer. Typical dosage is 1 - 5 g/L. Higher concentrations (up to 40 g/L) have been successfully applied in fed batch cultures.

KEY PERFORMANCE PARAMETERS

	Min	Max	Units	Method
pH	5.8	7.0	PH	(2 % solution @ 25 °C)
Total Nitrogen	13		%	
Amino Nitrogen %	2		%	
Loss on drying		6	%	
Endotoxins	200	EU/g	MAX	

Degree of Digestion (AN/TN X 100%) is reported on the COA

PHYSICAL DESCRIPTION

Color: Light tan
Form: Powder

MICROBIOLOGICAL DATA

E. Coli	NOT DETECTED	
Salmonella	NOT DETECTED	in 25 g
Aerobic Plate Count	< 1000 cfu/g	
Yeasts & Moulds	< 100 cfu/g	

SHELF-LIFE & STORAGE

730 days unopened Conditions of storage and distribution include protection from moisture, freezing and excessive heat per USP Storage under Nonspecific Conditions.



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PACKAGING

Packaging Type: Packing-Other
10 kg (22.046 lb)/5X00713.21K, plastic pails with polyethylene liners or 20 kg (44.092 lb)/ 5X00713.NR4, carton with polyethylene liners.

RECOMMENDED ALLERGEN DATA FOR LABELING PURPOSES

Does the product CONTAIN...?	Yes = Present No = Absent
Dairy/Dairy Derivatives	NO
Egg/Egg Derivatives	NO
Soy/Soy Derivatives	NO
Wheat/Wheat Derivatives	YES
Peanuts/Peanut Derivatives	NO
Treenut/Treenut Derivatives	NO
Fish/Fish Derivatives	NO
Shellfish/Shellfish Derivatives	NO

LEGISLATION & WARRANTY STATEMENT

The product will be manufactured in accordance with all current relevant US legislation. The information stated is given in good faith and is based upon the product formulation and the data provided by our raw material suppliers.
All reasonable precautions that could be expected of a responsible manufacturer have been taken, however no absolute guarantees can be given that trace / carry over residues will be totally absent.

CONFIDENTIALITY

This specification and the information contained within it remains the property of this company and must not be disclosed to any third party without the prior written permission of the company.