



American International Chemical, Inc.

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SPECIFICATION SHEET

WHEAT PROTEIN, HYDROLIZED Prothy® 21

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
WHPTFP	3040	-	December 3, 2010	SW	Original	CDS

CHARACTERISTICS:	Extract of proteins from wheat (<i>Triticum Vulgare</i>), from the grass family, obtained by enzymatic hydrolysis. Hydrolysis breaks down proteins into molecules of smaller molecular weight, increasing their bioavailability. PROTHY® 21, contains polypeptides rich in glutamine and glutamic acid (35%), as well as proline (10%). Wheat naturally contains 12 to 14% of proteins.	
	Appearance	Light beige to brown powder
	Taste	Bitter
	Carrier	None

SPECIFICATIONS:	Proteins	85% to 87%
	Molecular weight	90% less than 7,000 Dalton
	Carbohydrates	6% to 10%
	Fat	1% to 5%
	Loss on drying	Less than 6%
	Ash	Less than 2%
	pH at 1%	4 to 7
	Tapped density	0.3 to 0.7 g/cm ³
	Particle size	95% less than 200µm

PACKAGING:	25 kg bag in cardboard box
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APPLICATIONS:	Capsules and tablets for nutritional applications.
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SHELF LIFE AND STORAGE INSTRUCTIONS:	Hygroscopic powder, store in a dry place. Best before: 24 months from date of manufacture
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