



# American International Chemical, Inc.

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## SPECIFICATION SHEET

### FENUGREEK EXTRACT Exofen

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
FENTFP	3040	68990-15-8 84625-40-1	January 4, 2011	SW	Original	CDS

<b>CHARACTERISTICS:</b>	Exofen® is a product made from the cotyledons and seeds of fenugreek ( <i>Trigonella foenum graecum L.</i> ) containing 4-Hydroxy-Isoleucine, a molecule having insulin-stimulating properties. Its mechanism of action is different from sulfonylurea and allows it to decrease blood sugar only in case of hyperglycemia. The hydro-alcoholic extract (water 80% - 20% ethanol) is partially deodorized and delipidated.	
	Appearance	Off white to light yellow powder
	Taste	Bitter
	Extract ratio	10:1
	Carrier	None

<b>SPECIFICATIONS:</b>	4-OH-Isoleucine	Greater than 5%
	Soluble fibers	10% to 40%
	Proteins	30% to 60%
	Carbohydrates	10% to 40%
	Fat	Less than 1%
	Loss on drying	Less than 10%
	Ash	Less than 10%
	pH at 1%	4 to 7
	Solubility at 1%	Greater than 90%
	Tapped density	0.2 to 0.6 g/cm <sup>3</sup>
	Particle size	95% less than 200µm

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