

# LACTO-WHEY®

## HI - ENERGY

### BULK

#### GUARANTEED ANALYSIS

CRUDE PROTEIN, not less than .....	39%
(Not more than 38.5% CPE derived from NPN in the form of AMMONIUM LACTATE)	
LACTIC ACID EQUIVALENT, not less than .....	71%
CALCIUM (minimum) .....	6.8%
CALCIUM (maximum) .....	8.0%
FAT .....	NONE
FIBER .....	NONE

#### INGREDIENTS:

Fermented Ammoniated Condensed Whey, (Calcium from cheese whey)  
Refer: (AAFOC 66.5), (FDA CFR 21.573)

#### DIRECTIONS FOR USE:

Mix HI-ENERGY such that total added CPE from NPN shall not exceed 30% of total dietary protein. For example, if the DM consumed contains 9 lbs of protein, 2.7 lbs of protein can come from HI-ENERGY which amounts to 30%. To provide 2.7 lbs of protein, you would need to feed 6.9 lbs of HI-ENERGY on an "as fed basis". Assure that adequate adaptation or acclimation time is allowed for rumen microbes to adjust to this concentrated energy and protein source.

Consult your LACTO-WHEY® sales representative for specific feeding programs.

#### WARNING: FEED TO RUMINANT ANIMALS ONLY

PACKERLAND WHEY PRODUCTS, INC  
407 FOURTH STREET, LUXEMBURG, WI 54217  
800-551-2842 OR 920-845-5564  
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# HI-ENERGY

## Typical Nutritional Profile for Dairy Formulations

	As Fed Basis	Dry Matter Basis	
<b>SOLID FRACTIONS:</b>			
<b>DRY MATTER</b>	87.00%	100.0%	
Moisture	13.00%	0%	
<b>PROTEIN FRACTIONS:</b>			
Crude Protein (N x 6.25)	39.00%	44.8%	
Digestible Protein	39.05%	44.9%	
Available Protein	39.00%	44.8%	
Crude Protein from NPN	38.50%	44.2%	
<b>ENERGY CONCENTRATION:</b>			
<b>LACTIC ACID</b> (lactate form)	71.4%	82.1%	(a)
NEL (Mcal/Kg)	3.014	3.464	
<b>NEL (Mcal/Lb)</b>	1.370	1.575	
NSC or NFC	68.5	78.7	(c)
<b>MINERAL FACTIONS:</b> (Proximate) <span style="float: right;">(b)</span>			
Calcium	Ca	8.00%	9.20%
Phosphorus	P	0.035%	0.040%
Potassium	K	0.096%	0.110%
Sulfur	S	0.0032%	0.0037%
Magnesium	Mg	0.0057%	0.0066%
Sodium	Na	0.059%	0.0680%
Iron	Fe	10.8 ppm	12.4 ppm
Copper	Cu	.4 ppm	.46 ppm
Zinc	Zn	.37 ppm	.42 ppm
<b>MISCELLANEOUS:</b>			
pH		6.5	
Buffer Potential		HIGH	
Electrolyte Potential		HIGH	
PALATIBILITY		EXCELLENT	

(a) Uncommon commercial **energy** source - **REQUIRES ADAPTATION.**

(b) All minerals are derived from **milk solids**

(c) As per Hall correction, Feedstuffs 9/8/97