



## RESEARCH DATA ON PRO-PAK® PROTEIN SUPPLEMENT

PRO-PAK® protein supplement is formulated to give the same performance as good quality fish meal, as determined by chick and poultry tests. PRO-PAK® protein supplement has been thoroughly researched by a large number of Universities and independent nutritionists; the results agree that PRO-PAK® protein supplement can provide equal substitution for fish meal on a pound for pound basis.

1989 January - University of Missouri

- Amino Acids

Updated profile of major Amino Acid values of PRO-PAK® protein supplement (See Typical Analysis).

1989 - January - University of Georgia

- True Metabolizable Energy Values

True metabolizable energy value for PRO-PAK® protein supplement to average 1300 Kilo Calories per pound.

1986 February - Georgia Nutrition Conference

Dr. Henry Fuller presented a list of feed ingredient analyses for true metabolizable energy. PRO-PAK® protein supplement received a value of 3.16 kilo calories per gram, which is very similar to the result published in Poultry Science, June 1979, on testing by the Department of Animal Science, University of Arkansas of 3.12 ME kilo calories per gram.

1983 July 11th Feedstuffs - Statistical Evaluation of Production Samples of a Marine and Animal Protein Blend (PRO-PAK® protein supplement)

Dr. Zelpha B. Johnson and Dr. Park W. Waldroup - Department of Animal Sciences at the University of Arkansas. "Using ingredients with a more consistent nutrient composition should allow the reduction of safety margins and consequently reduce the feed cost."

1980 The Metabolizable Energy Content of Wheat and Animal Products for the Chick - Published in Poultry Science (Official Journal of the Poultry Science Association Inc.)

The fish and animal protein used in this work was PRO-PAK® protein supplement. "The ME contents of menhaden fish meal with and without added solubles were similar to the animal protein blend."



**H.J. BAKER & BRO., INC.™**

ESTABLISHED 1850

PRO-PAK® was formulated over 40 years ago by H. J. Baker's research and development personnel. PRO-PAK®'s usage has grown enormously because it works. Its benefits have been proven time and again through continuous research performed at Universities and by independent nutritionists. PRO-PAK® is produced in six plants strategically located throughout the United States.

PRO-PAK® is a protein concentrate (no vegetable proteins); a combination of carefully screened marine and animal by-products, formulated to produce the same response as a good quality 60% protein fish meal including all the essential amino acids. We also produce PRO-PAK® 65%. We carefully inspect all raw materials, rejecting any material that does not meet our high quality standards to insure all finished material is tested, screened and examined. By using only the finest raw ingredients available, we can guarantee the consistency of every PRO-PAK® shipment. Our customers rely on PRO-PAK® shipment after shipment for consistency and uniformity, and to eliminate costly reformulation and lost production time.