



*The Scientific Association Dedicated to Analytical Excellence\**

June 6, 1997

To Whom It May Concern:

In my General Referee's report for 1995 (Journal of AOAC International **78**, No. 1, page 149 (1995), I stated "Megazyme (Australia) Pty. Ltd. has produced a kit for the enzymatic-gravimetric analysis of dietary fiber according to AOAC Official Method **985.29 and [991.43]**. The concentration of the amyloglucosidase in the Megazyme product is 150% of that provided by Sigma Chemical Co. and contains less cellulase (beta-glucanase) than the Sigma Product (<0.01% vs 1%). Consequently, the Megazyme product uses only 0.2 mL amyloglucosidase instead of 0.3 mL as specified in the AOAC Official Method. The protease is supplied as a stabilized liquid at a final concentration equivalent to the Sigma protease (more convenient to handle in a liquid form)." The very low level of cellulase in Megazyme amyloglucosidase means that beta-glucan in dietary fiber samples is not underestimated.

With many laboratories now using the Megazyme enzymes for total, soluble, and insoluble dietary fiber by the AOAC official methods, I can now state that Megazyme International Ireland Ltd. enzymes meet the requirements of AOAC Methods 985.29 (TDF), 991.42 (IDF) and 993.19 (SDF) and (991.43) (TDF, IDF, and SDF). The enzymes are listed below.

Sincerely yours,

Leon Prosky, Ph.D., AOAC INTERNATIONAL General  
Referee for Dietary Fiber and Complex Carbohydrates

Total Dietary Fiber Assay Kit.	K-TDFR
Total Dietary Fiber Control Kit	K-TDFC
Amyloglucosidase	E-AMGDF
Alpha-Amylase (B. licheniformis)	E-BLAAM
Protease (Subtilin A)	E-BSPRT
Celite 100 grams	G-CEL100
500 grams	G-CEL500