



January 3, 2008

To: **National School Lunch Program Participants**

Subject: **Kellogg's® Worthington Meatless Smoked Turkey
28989 27103**

According to Appendix A to 7 CFR 210, 220, 225, and 226, an Alternate Protein Product (APP) must meet the following requirements: must be processed so that some portion of the non-protein constituents of the food is removed; must have a biological quality of at least 80 percent that of casein as determined by PDCAAS; and must contain at least 18 percent protein by weight when fully formulated or hydrated. Worthington Meatless Smoked Turkey (sliced) contains protein that meets these requirements from soy and egg whites.

Soy protein is provided by soy protein isolate. This form of soy protein has fat and carbohydrate components removed. Per our supplier, the reference used to determine the EAA score is the FAO/WHO 2-5 year old amino acid pattern. Per our supplier, the EAA score of the soy proteins is 1.04 with a digestibility of 97% giving a PDCAAS of 1. To achieve 18% protein when hydrated, soy protein isolate is hydrated with 3.77 parts of water.

Egg white solids have water and fat removed. Data from FAO/WHO (1990) assigns egg whites an EAA score of 121 and digestibility of 98%, resulting in a PDCAAS of 1. Egg white solids are 80% protein and can be hydrated with 3.44 parts of water to achieve 18% protein when hydrated.

The soy protein isolate provides 26.3 grams hydrated soy protein per 57 gram (3 slice) serving. The egg whites provide 9.4 grams hydrated protein per 57 gram serving. Total protein content from these combined sources is 35.7 grams. Therefore, each 57 gram (3 slice) serving provides 1 1/4 meat equivalents.

I certify the above information to be true and correct.

Cheryl L. Dolven, MS, RD
Kellogg Company