SCHEDULE 1

Regulation 2(1) and Schedule 3

METHOD OF CALCULATING THE ENERGY VALUE OF COMPOUND FEEDS

The energy value of compound poultry, ruminant and pig feeds and feeding stuffs intended for particular nutritional purposes for cats and dogs shall be calculated in accordance with the relevant formulae set out below, on the basis of the percentages of certain analytical components of the feed. After application of these formulae, the results shall be given to one decimal place.

Poultry feeds: megajoules (MJ) of metabolisable energy (ME), nitrogen corrected, per kilogram of compound feed.

MJ of ME/kg of feed = 0.1551 × % protein[(1)] + 0.3431 × % oil[(2)] + 0.1669 × % starch[(3)] + 0.1301 × % total sugar (expressed as sucrose)[(4)].

Ruminant feeds: megajoules (MJ) of metabolisable energy (ME) per kilogram of dry matter in the compound feed.

MJ of ME/kg of dry matter = 0.14 × % Neutral detergent Cellulase plus Gamanase Digestibility[(5)] + 0.25 × % oil[(2)].

Pig feeds: megajoules (MJ) of digestible energy (DE) per kilogram of dry matter in the compound feed.

MJ of DE/kg of dry matter = 17.47 + 0.079 × % protein[(1)] + 0.158 × % oil[(2)] − 0.331 × % ash[(6)] − 0.140 Neutral Detergent plus Amylase Fibre[(5)].

(NB) Where the results of analysis are to be given on a dry matter basis, this may be achieved by analysing either the dried material, or fresh material and correcting for the moisture content.

(1) Determined by the method of analysis for protein specified in Point 2 of Annex 1 to Directive 72/199/EC1.

(NB) For pig feed the results must be corrected to 100% dry matter.

(2) Determined by the appropriate procedure set out in the method of analysis for oils and fats specified in Part IV of the Annex to Directive 71/393/EEC2.

(NB) In ruminant and pig feeds the result must be corrected to 100% dry matter.

(3) Determined by the method of analysis for starch specified in Point 1 of Annex 1 to Directive 72/199/EEC3.

(4) Determined by the method of analysis for sugar specified in Point 12 of the Annex to Directive 71/250/EEC4.

(5) Determined by the method detailed in the booklet "Prediction of Energy Values of Compound Feeding Stuffs for Farm Animals" (originally published by the Ministry of Agriculture, Fisheries and Food Publications, now available from the Department of the Environment, Food and Rural Affairs under reference No. PB1285).

(6) Determined by the method of analysis for ash specified in Point 5 of the Annex to Directive 71/250/EEC5.

(NB) The result must be corrected to 100% dry matter.