

# Nutritional Evaluation of Commercial Poultry Feed (Layer phase II) in White Leghorn

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**Abstract**—Present study was done to investigate the various chemical parameters of commercial poultry feed (Layer phase II) in White Leghorn. The study will provide referential information for the identification of the nutritive substances of commercial poultry feed (Layer phase II). The feeds offered to birds are varied mixtures of ingredients, and considering the tendency of feed producers to maximize profit, there might be differences in the quality of the manufactured feeds sold in the market. It is important therefore, to ensure that quality compound feeds with appropriate nutritional values capable of achieving efficient production performance are patronized by the farmers. The chemical analysis of commercial poultry feed (Layer phase II) was done for the proximate principles viz., Dry matter, Crude protein, Crude fibre, Ether extract, Nitrogen free extract, Total ash and Acid insoluble ash (AOAC, 1995). Results showed that crude protein (CP) values were optimum (17.44 %) in Layer phase II compared to crude fibre (11.26 %) to meet the nutritional requirement. Whereas the values for organic matter, dry matter, moisture content, ether extract, nitrogen free extract, ash, acid insoluble ash, calcium and phosphorus were recorded as 93.36, 90.12, 9.88, 4.82, 49.96, 6.64, 3.40, 4.12 and 0.56 %, respectively. The present investigation conclude that the Layer phase II meets the nutrient requirement of the White Leghorn if, fed as basal feed during peak laying period.