**A STUDY ON APPROXIMATE ANALYSIS OF COMMERCIAL POULTRY FEED & COMPARISON OF LABORATORY VALUE WITH COMPANY STANDARD**

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**A Production Report Submitted by**

**Roll No.: 07/12**

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**CHITTAGONG VETERINARY AND ANIMAL SCIENCES UNIVERSITY**

**KHULSHI, CHITTAGONG**

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**ABBREVIATION**

|  |  |
| --- | --- |
| ME | Metabolizable energy |
| CP | Crude protein |
| CP® | Name of a company |
| CF | Crude fiber |
| EE | Ether extract |
| DM | Dry matter |
| NFE | Nitrogen free extract |
| Wks | Weeks |
| CHO | carbohydrate |
| Kg | kilogram |
| Kcal | kilocalorie |
| S | Starter |
| G | Grower |
| F | Finisher |

Symbol

|  |  |
| --- | --- |
| NaOH | Sodium hydroxide |
| H2SO4 | Sulphuric acid |
| HCl | Hydrochloric acid |
| CCl4 | Carbon tetrachloride |
| \* | Multiplication |
| = | Equal to |
| % | Percentage |
| & | And |

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**ABSTRACT**

To get an exact picture about the commercial poultry feeds manufactured in Bangladesh, six feed samples were collected from the dealer of 3 feed mills. Two methods were used to evaluate the feed-Visual observation and approximate analysis. Approximate analysis for the six treatment diets were performed to ascertain the nutrients content and to compare with what was written on the feed sack labels. The feeds were-Renalayer feed, Agha starter, Agha grower, CP® starter, CP® grower and CP® finisher feed. There were significant differences in nutrient concentrations among the feeds obtained from 3 feed mills. In case of Renalayer feed, there were no variations in metabolizable energy (ME), dry matter (DM) and crude fiber (CF) contents but marked variations in crude protein (CP) and ether extract (EE) contents in comparison with company standard. Results also indicated that there were no such variations in dry matter, Crude Protein, moisture and crude fiber contents of Agha starter & grower feed but marked variations in metabolizable energy & ether extracts contents; there were no such variations in dry matter, crude protein and moisture contents of CP® starter, grower and finisher feed but marked variations in metabolizable energy and crude fiber contents. Seasonal availability of locally produced feed ingredients together with variations in quality of some ingredients has made the feed situation in Bangladesh unsatisfactory from the quality standpoint. Inadequate feed analytical services as well as lack of statutory control over feed quality have further aggravated the situation. It could therefore, be inferred that, the six different commercial poultry **feeds** used in this study are recommendable for broiler and layer production here in Chittagong and other environs of Bangladesh but the composition of nutrient content of commercial poultry feed should need to be maintained.

**Key words**: Approximate analyses, Metabolizable Energy, Crude Protein, Crude Fiber, Ether Extracts, Moisture, Starter, Grower and Finisher.

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