

Egg And Poultry Industry

Area of testing

EFRAC tests for nutritional and proximate parameters and also for residues of antibiotics, growth promoters and other drug residue in eggs, feed and livestock. These include compounds banned from use in livestock production. EFRAC is also doing the analysis of all the parameters as per EIC (Export Inspection Council) RMP for egg products, poultry meat & poultry meat products for the current year.

Targeted products

- Poultry feed, tissue, body fluid, excreta
- Egg & egg products- like egg powder
- Processed/Semi-processed chicken
- Treated and raw water specific to this particular type of industry
- Feed water
- Raw chicken

Parameters to be tested

- Nutritional and proximate analysis
- Mycotoxins (aflatoxin and ochratoxins)
- Dioxins and dioxins like PCB
- Antibiotics
- Microbiological analysis
- Heavy metals
- Shelf life studies
- Water analysis as per IS-10500, IS-4251 and 98/83 as per EU directive

Method of analysis

AOAC, US-EPA, IS, ASTA, APHA, US-FDA Internal SOP

Equipments to be used for analysis

HPLC, GC-MS MS, LC-MS MS, HRGC-MS, ICP-MS, FTIR, AAS, GPC, Turbovap, Automatic Kjeldahl, Soxhlet digestion units, Rotavapor, IC, Biochemistry analyser, CHNS analyser, TOC analyser, Auto and Karl Fisher titrator etc.

Unique facilities

- Disinfectant efficacy test against selected pathogens.
- Hygiene monitoring for the qualification and control of production zones.

