

Feed Safety and Halal Feed Testing

Feed safety quality assurance programs are required by feed manufacturers and animal producers to ensure that

- the raw materials being fed to animals meet nutritional requirements and
- feed ingredients added into the feed shall not contain residues or contaminants that can accumulate or be found in the finished product that can be detrimental to human health.

The regular and systematic testing of feed and its components is a pre-requisite program (PRP) to be put into place in food safety assurance programs i.e. Codex, General Principles of Food Hygiene, Veterinary Health Mark (VHM)-Clause 53 (2), Food Safety According to Hazard Analysis Critical Control Point (HACCP) ISO 1480: 2007 and Good Manufacturing Practice (GMP). The Halal certification for animal feed is to ensure that animal produce meet the requirements of MS 1500:2004.

In 2009, the Malaysian Government enacted the Feed Act, 2009. The authority in charge of the Feed Board requires all feed manufacturers, importers or exporters to comply to documentation requirements which include the following for each consignment:

- Health certificate
- Halal certification
- Certificate of origin
- Export permit

Why choose VFAD?

VFAD provides quality diagnostic testing required for raw materials, feed ingredients and finished feed products.

We are a SAMM accredited laboratory with proven capability and competence in the field of diagnostic testing. Tests are conducted by competent personnel under stringent QA/QC conditions.



The following tests are available:

MICROBIOLOGY

- Air quality monitoring by air sampler
- Clostridium perfringens* count*
- General bacteria identification (genus level)
- E. coli* count
- E. coli* isolation & identification
- Enterobacteriaceae count
- Lactic acid bacteria count
- Salmonella* Isolation & Serotyping
- Standard plate count
- Surface monitoring by swabbing/ agar contact plate
- Total coliform count
- Total yeast and mould count

MOLECULAR BIOLOGY

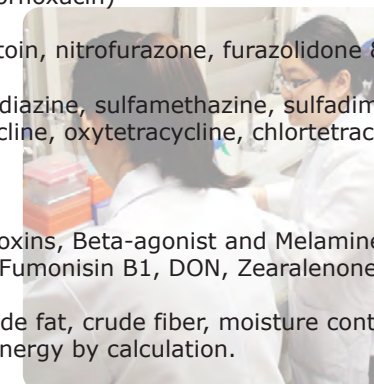
- Detection of porcine derivatives (Halal Verification)

CHEMISTRY

- Beta-agonists residue**
- Chloramphenicol residue*
- Colistin residue*
- Erythromycin A residue*
- Nicarbazin residue*
- Fluoroquinolones residue* (danofloxacin, flumequine, difloxacin, sarafloxacin, enrofloxacin, ciprofloxacin & norfloxacin)
- Ivermectin residue*
- Nitrofurans residue (nitrofurantoin, nitrofurazone, furazolidone & furaltadone)
- Spiramycin I residue*
- Sulphonamides residue* (sulfadiazine, sulfamethazine, sulfadimethoxine & sulfachinoxalin)
- Tetracyclines residue* (tetracycline, oxytetracycline, chlortetracycline & doxycycline)
- Tilmicosin residue*
- Trimethoprim residue*
- Amoxicillin assay
- ELISA screening test for Mycotoxins, Beta-agonist and Melamine
- Mycotoxins (Aflatoxin B1, T-2, Fumonisin B1, DON, Zearalenone & Ochratoxin A)
- Proximate Analysis Package:
 - crude ash, crude protein, crude fat, crude fiber, moisture content, carbohydrate by calculation & metabolisable energy by calculation.

(*) Not SAMM accredited.

(**) For beta-agonist, we offer salbutamol, clenbuterol, isoxsuprine, mabuterol, bromobuterol, terbutalin and ractopamine. Please contact us for quotation.



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