

Effective 1st January 2003

Gafta No: 130

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THE GRAIN AND FEED TRADE ASSOCIATION

GAFTA REGISTER OF ANALYSIS METHODS

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ANALYSIS METHODS FORM NO: 130

For all contracts incorporating the terms and conditions of the Grain & Feed Trade Association (GAFTA), analyses tests shall be carried out in accordance with the following methods listed in these Rules: -

ANALYSIS METHODS

The following is a list of Methods prescribed by the Association, used by the Analysts named in GAFTA Contracts for tests required by GAFTA Contract terms. The detailed methods are contained in a Register lodged at GAFTA's Offices and available on CD-rom.

Method Number and Title of Tests: -

1.0 PREPARATION OF SAMPLE FOR ANALYSIS

2. MOISTURE

- 2:1 In Feedingstuffs
- 2:2 In Cereals and Pulses, except for malting barley
- 2:3 In Malting Barley
- 2:4 Water by Vacuum Sand Drying

3:0 OIL PROCEDURE A - SOLVENT EXTRACTION FOR ALL FEEDINGSTUFFS 4:0

CRUDE PROTEIN FOR ALL FEEDINGSTUFFS

5:0 DIGESTIBLE CRUDE PROTEIN

- 5:1 Proteins Soluble in Pepsin and Hydrochloric Acid
- 5:2 Pepsin Activity

6:0 UREA

7:0 URIC ACID

8:0 AMMONIA AND VOLATILE NITROGENOUS BASES

9:0 PHOSPHORUS

10:0 CRUDE FIBRE FOR ALL FEEDINGSTUFFS

11:0 SUGARS:

- 11:1 Sugar – Luff Schoorl Method
- 11:2 Reducing Sugars (Invert) in Cane and Beet Molasses – Sucrose Calculation
- 11:3 Reducing Sugars (Invert) in Beet Molasses
- 11:4 Reducing Sugars (Invert) in Cane Molasses
- 11:5 Preparation and Standardisation of Fehling's Solution
- 11:6 Lactose in all Feedingstuffs

12:0 CRUDE ASH

13:0 ASH INSOLUBLE IN HYDROCHLORIC ACID (Sand and/or Silica)

14:0 SAND ONLY

15:0 WATER-SOLUBLE CHLORIDES

16:0 CALCIUM

- 16:1 Calcium - Volumetric Method
- 16:2 Calcium Atomic Absorption Method

17:0 COPPER - DIETHYLDITHIOCARBAMATE SPECTROPHOTOMETRIC METHOD

18:0 MAGNESIUM

- 18:1 Magnesium – Gravimetric Method
- 18:2 Magnesium – Atomic Absorption Method

19:0 VITAMINS

- 19:1 Vitamin A (Retinol)
- 19:2 Thiamine Hydrochloride (Vitamin B₁ Aneurine)
- 19:3 Ascorbic Acid and Dehydroascorbic Acid (Vitamin C)
- 19:4 Menadione (Vitamin K₃)

20:0 HYDROCYANIC ACID

21:0 VOLATILE MUSTARD OIL

22:0 GLUCOSINOLATES (EC/18/64

23:0 Method) FREE AND TOTAL

24:0 GOSSYPOL

AFLATOXIN DETERMINATION

- 24:1 For the Determination of Aflatoxin B₁ in Compound Animal Feed and all Feedingstuffs. or

25:0 CARBONATES

26:0 SODIUM

27:0 UREASE ACTIVITY

28:0 STARCH

- 28:1 Starch - Polarimetric Method
- 28:2 Starch – Pancreatic Method

29:0

ISOBUTYLIDENEDIURE

A 30:0 CASTORSEED

HUSK

31:0 HARD FLINT, DENTED

MAIZE 32:0 NATURAL

WEIGHT TESTS

33:0 MICROBIOLOGY – GENERAL GUIDELINES ON METHODS FOR THE DETECTION OF SALMONELLA

34:0 WET GLUTEN IN WHEAT FLOUR

- 34:1 Determination of Wet Gluten in Wheat Flour – Hand Washing
- 34:2 Mechanical Determination of the Wet Gluten Content of Wheat Flour (Glutomatic)

35.0 ADMIXTURE

Printed in England and issued by

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(THE GRAIN AND FEED TRADE ASSOCIATION)
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