

Directive

9180.56

5-1-97

TESTING CORN GLUTEN FEED FOR STARCH, FAT, AND PROTEIN

1. PURPOSE

This directive establishes guidelines for testing corn gluten feed for starch, fat, protein, and moisture content.

2. REPLACEMENT HIGHLIGHTS

This directive supersedes FGIS Program Directive 918.56, dated 8-27-93. This directive is updated to reflect organizational changes, new numbering system, and new format but does not revise policy.

3. BACKGROUND

Corn gluten feed is that part of the corn remaining after the extraction of starch, gluten, and germ through a wet milling process. Corn gluten feed is a medium protein, medium energy ingredient and is usually presented in the form of pellets. It is widely used in complete feeds or concentrates for dairy and beef cattle, poultry (layers and turkey breeders), swine, and as a carrier for added micro nutrients. The product has become one of the major agricultural exports of the United States.

A new Memorandum of Understanding between the United States and the European Community specifies that corn gluten feed imported from the United States must conform with the following maximum limits on a dry matter basis:

Factor	Maximum Limits
Starch.....	28 percent
Fat.....	4.5 percent
Protein.....	40 percent

In addition, each certificate must report the moisture level since other specifications are stated on a dry matter basis.

In order to facilitate the marketing of corn gluten feed in domestic and foreign commerce, the Federal Grain Inspection Service (FGIS) will provide testing services to interested parties upon request.

4. POLICY

The Technical Services Division, Analytical, Reference, and Testing Service (ARTS) will test samples of corn gluten feed for starch, fat, protein, and moisture content under the authority of the Agricultural Marketing Act of 1946, as amended (AMA). This service is available upon request.

5. REQUEST FOR SERVICE

Persons interested in corn gluten feed testing may contact ARTS, a local FGIS field office, or an authorized cooperator to arrange for service. Applicants may request a separate test for starch, fat, protein, moisture content, or any combination. When requesting official sampling services, the applicant must ensure that the lot is accessible and indicate the location of the product and the kind of test needed. The following service options are available:

- a. Lot Inspection Service. This service involves FGIS or an authorized cooperator obtaining a representative sample from an identified lot using approved procedures for processed commodities and forwarding the sample to ARTS for testing.
- b. Submitted Sample Inspection Service. This service consists of an applicant obtaining and forwarding a sample to ARTS through a field office for testing. The applicant must identify the sample and send it to the local FGIS field office or cooperator.

6. SAMPLE SIZE

A minimum of 500 grams of corn gluten feed is needed to complete an analysis for starch, fat, protein, and moisture. If a smaller sample size is submitted by the applicant, ARTS will only provide quality information on specific factors (i.e., starch, fat, moisture, etc.) for which the sample is large enough. Field personnel will maintain representative file samples when official sampling services are provided. FGIS personnel and cooperators will forward samples for testing to ARTS.

7. CERTIFYING RESULTS

- a. When an applicant requests conformance certification to specific maximum limits (i.e., 28 percent starch, 4.5 percent fat, and 40 percent protein) and the test results indicate that the product meets these requirements, certify results using the following statement:

“This lot of corn gluten feed conforms to a maximum 28 percent starch, 4.5 percent fat, and 40 percent protein on a dry matter basis. Moisture ____ percent.”

However, if the results are greater than the contract limits on any constituent (i.e., starch, fat, protein, etc.), certify results as follows:

“This lot of corn gluten feed does not conform to a maximum 28 percent starch, 4.5 percent fat, and 40 percent protein on a dry matter basis. Moisture ____ percent.”

- b. When the applicant requests individual tests (i.e., starch, fat, moisture, etc.) certify results as follows:

“(Factor with result percent) on a dry matter basis. Moisture ____ percent.”

Example:

“Starch 27 percent and fat 3.0 percent on a dry matter basis. Moisture ____ percent.”

- c. The following certificates are used to report quality information:
- (1) Form FGIS-993, Commodity Inspection Certificate. Use this certificate to report results when samples are obtained by FGIS or authorized cooperator; or
 - (2) Form FGIS-994, Commodity Certificate - Submitted Sample Inspection. Use this certificate to report results for submitted samples.

8. REVIEW INSPECTIONS

Applicants may request a retest or appeal inspection service on samples of corn gluten feed based on official file samples or new samples. Submitted sample review inspections are limited to the file sample. Only one retest is permitted on any original result and one appeal is allowed on any original or retest result.

9. FEES

FGIS will assess a fee for testing corn gluten feed in accordance with Title 7, Part 868, Section 868.90, of the Code of Federal Regulations. Current fee rates are:

Factor(s)	Cost
Starch	\$179.20/Sample (approximately) (Based on 8 hrs. at \$22.40/hr.)
Fat	\$14.00/sample
Protein	\$7.50/sample
Moisture	\$6.00/sample

Authorized cooperators' fees for sampling services may vary. Consequently, applicants must contact their respective cooperators, as applicable, for service costs.

For further information, please contact the Standards and Procedures Branch at (202) 720-0252.

/s/David Orr

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