

Program Notice

FGIS-PN-17-04

September 11, 2017

APPROVAL OF NEW NEAR INFRARED TRANSMITTANCE (NIRT) INSTRUMENT

Contents

1. PURPOSE	2
2. BACKGROUND	2
3. APPROVED NIRT INSTRUMENTS AND APPLICATIONS	2
4. EFFECTIVE DATE	3
5. FILING INSTRUCTIONS	3
6. QUESTIONS	3

In accordance with Federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, religion, sex, disability, age, marital status, family/parental status, income derived from a public assistance program, political beliefs, or reprisal or retaliation for prior civil rights activity, in any program or activity conducted or funded by USDA (not all bases apply to all programs). Remedies and complaint filing deadlines vary by program or incident.

Persons with disabilities who require alternative means of communication for program information (e.g., Braille, large print, audiotope, American Sign Language, etc.) should contact the responsible Agency or USDA's TARGET Center at (202) 720-2600 (voice and TTY) or contact USDA through the Federal Relay Service at (800) 877-8339. Additionally, program information may be made available in languages other than English.

To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at [How to File a Program Discrimination Complaint](#) and at any USDA office or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by: (1) mail: U.S. Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410; (2) fax: (202) 690-7442; or (3) email: program.intake@usda.gov.

USDA is an equal opportunity provider, employer, and lender.

1. PURPOSE

This program notice announces that the Agricultural Marketing Service (AMS), Federal Grain Inspection Service (FGIS) has approved the FOSS Model Infratec Nova NIRT instrument for official testing services of barley protein; corn oil, protein, and starch; soybean protein and oil; and wheat protein and wet gluten under the United States Grain Standards Act (USGSA).

2. BACKGROUND

Testing barley protein; corn oil, protein, and starch; soybean protein and oil; and wheat protein and wet gluten content as “official criteria” is authorized under Section 7(b) of the USGSA, as amended. FGIS is responsible for officially determining and certifying, monitoring the accuracy, and approving the official equipment used for determining barley protein; corn oil, protein, and starch; soybean protein and oil; and wheat protein and wet gluten content.

FGIS evaluated and determined that the Infratec Nova NIRT instrument constitutes an engineering enhancement of the previously approved Infratec 1241 and provides results equivalent to those of previously approved model.

3. APPROVED NIRT INSTRUMENTS AND APPLICATIONS

The following table lists the NIRT models approved and calibration method that may be used for official determinations by grain and constituent.

Grain and Constituent(s)	Infratec 1229 with IRIS software and Infratec 1241	Infratec Nova
Wheat (ANN ¹) Protein Wet gluten	yes	yes
Barley (ANN) Protein	yes	yes
Soybean (ANN) Protein Oil	yes	yes
Corn (PLS ²) Oil Protein Starch	yes	yes
¹ Artificial Neural Network (ANN) calibration ² Partial Least Squares (PLS) calibration		

4. EFFECTIVE DATE

This program notice is effective upon receipt.

5. FILING INSTRUCTIONS

File a copy of this program notice with the NIRT Handbook. The handbook will be revised at a later date to include these changes.

6. QUESTIONS

Direct any questions concerning this program notice to the Inspection Instrumentation Branch at (816) 891-0401.