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**NBS  
Voluntary  
Product  
Standard**

PS 37-70

**WITHDRAWN**

A UNITED STATES  
DEPARTMENT OF  
COMMERCE  
PUBLICATION



**Package Quantities  
of Instant Noodles  
N-1000**

**U.S.  
DEPARTMENT  
OF  
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National  
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UNITED STATES DEPARTMENT OF COMMERCE

Maurice H. Stans, *Secretary*

NATIONAL BUREAU OF STANDARDS

Lewis M. Branscomb, *Director*

Voluntary Product Standard  
PS 37-70

## Package Quantities of Instant Nonfat Dry Milk

Technical Standards Coordinator: C. B. Phucas

### Abstract

This Voluntary Product Standard covers package quantities of instant nonfat dry milk based on quart equivalents within the range of 3 to 20 quarts. It also establishes the weight of instant nonfat dry milk required to make 1 quart. This Standard covers all types of packages of instant nonfat dry milk intended for household use including those containing individual quart or multi-quart equivalent envelopes.

**Key words:** Dry milk package quantities; instant nonfat dry milk; nonfat dry milk, package quantities of; package quantities of dry milk.

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## VOLUNTARY PRODUCT STANDARDS

*Voluntary Product Standards* are standards developed under procedures established by the Department of Commerce (15 CFR Part 10, as amended, May 28, 1970). The standards may include (1) dimensional requirements for standard sizes and types of various products, (2) technical requirements, and (3) methods of testing, grading, and marking. The objective of a *Voluntary Product Standard* is to establish requirements which are in accordance with the principal demands of the industry and, at the same time, are not contrary to the public interest.

### Development of a VOLUNTARY PRODUCT STANDARD

The Office of Engineering Standards Services of the National Bureau of Standards has been assigned by the Department of Commerce the responsibility to work closely with scientific and trade associations and organizations, business firms, testing laboratories, and other appropriate groups to develop *Voluntary Product Standards*. The Bureau has the following role in the development process: It (1) provides editorial assistance in the preparation of the standard; (2) supplies such assistance and review as is required to assure the technical soundness of the standard; (3) acts as an unbiased coordinator in the development of the standard; (4) sees that the standard is representative of the views of producers, distributors, and users or consumers; (5) seeks satisfactory adjustment of valid points of disagreement; (6) determines the compliance with the criteria established in the Department's procedures cited above; and (7) publishes the standard.

Industry customarily (1) initiates and participates in the development of a standard; (2) provides technical counsel on a standard; and (3) promotes the use of, and support for, the standard. (A group interested in developing a *Voluntary Product Standard* may submit a written request to the Office of Engineering Standards Services, National Bureau of Standards, Washington, D.C. 20234.

A draft of a proposed standard is developed in consultation with interested trade groups. Subsequently, a Standard Review Committee is established to review the proposed standard. The committee, appropriately balanced, includes qualified representatives of producers, distributors, and users or consumers of the product being standardized. When the committee approves a proposal, copies are distributed for industry consideration and acceptance. When the acceptances show general industry agreement, and when there is no substantive objection deemed valid by the Bureau, the Bureau announces approval of the *Voluntary Product Standard* and proceeds with its publication.

### Use of a VOLUNTARY PRODUCT STANDARD

The adoption and use of a *Voluntary Product Standard* is completely voluntary. *Voluntary Product Standards* have been used most effectively in conjunction with legal documents such as sales contracts, purchase orders, and building codes. When a standard is made part of such a document, compliance with the standard is enforceable by the purchaser or the seller along with other provisions of the document.

*Voluntary Product Standards* are useful and helpful to purchasers, manufacturers, and distributors. Purchasers may order products that comply with *Voluntary Product Standards* and determine for themselves that their requirements are met. Manufacturers and distributors may refer to the standards in sales catalogs, advertising, invoices, and labels on their product. Commercial inspection and testing programs may also be employed, together with grade labels and certificates assuring compliance, to promote even greater public confidence. Such assurance of compliance promotes better understanding between purchasers and sellers.

**Voluntary Product Standard PS 37-70**

**Package Quantities of Instant Nonfat Dry Milk**

**Effective October 15, 1970 (See section 5.)**

(This voluntary Standard, initiated by the American Dry Milk Institute, Inc., has been developed under the *Procedures for the Development of Voluntary Product Standards*, published by the U.S. Department of Commerce. See Section 6, *History of Project*, for further information.)

**1. PURPOSE**

The purpose of this Voluntary Product Standard is to establish the labeled quantities for packages of instant nonfat dry milk which are to be offered for sale at retail. It is intended that this Voluntary Product Standard will provide a basis of common understanding among packagers, distributors, and users of the product.

**2. SCOPE**

This Voluntary Product Standard covers package quantities of instant nonfat dry milk based on quart equivalents within the range of 3 to 20 quarts. It also establishes the weight of instant nonfat dry milk required to make 1 quart. This Standard covers all types of packages of instant nonfat dry milk intended for household use including those containing individual quart or multiquart equivalent envelopes.

**3. REQUIREMENTS**

**3.1. Quantities**—Instant nonfat dry milk intended for retail sale shall be packaged and labeled in accordance with the following quart equivalents:

3    4    5    8    10    12    14    20

**3.2. Net weights**—The net weight of the package shall be based on 3.2 ounces (avoirdupois) of instant nonfat dry milk which, when reconstituted, will provide 1 quart. To achieve uniformity in the expression of net weights on labels, fractional portions of an ounce shall be expressed in decimals.

**3.3. Supplementary quantity statement**—The following statement shall be included on the labels of the packages:

“Each (\*) cup(s) or 3.2 oz. by weight of this instant nonfat dry milk will make 1 quart. Settling may result in slight variations when measuring by the cup. This package, however, does contain the net weight stated on the label and will make the quarts indicated.”

\*Producer to insert the proper volume depending upon the density of the product.

**3.4. Package conformance**—Only packages of instant nonfat dry milk labeled in accordance with the limitations established in 3.1, 3.2, and 3.3 above shall be deemed to comply with this Voluntary Product Standard.

**3.5. Coverage**—This Voluntary Product Standard shall not apply to consumer packages containing less than 3-quart equivalents or more than 20-quart equivalents.

#### **4. IDENTIFICATION**

In order that purchasers may identify products conforming to all requirements of this Voluntary Product Standard, packagers and distributors may include a statement of compliance in conjunction with their name and address on product labels, invoices, sales literature, and the like. The following statement is suggested when sufficient space is available:

This instant nonfat dry milk conforms to all of the requirements established in Voluntary Product Standard PS 37-70, a packaging quantity standard, developed cooperatively with the industry and published by the National Bureau of Standards under the *Procedures for the Development of Voluntary Product Standards* of the U.S. Department of Commerce. Full responsibility for the conformance of this product to the standard is assumed by (name and address of packager or distributor).

The following abbreviated statement is suggested when available space on labels is insufficient for the full statement:

Conforms to PS 37-70, a packaging quantity standard, (name and address of packager or distributor).

#### **5. EFFECTIVE DATE**

The effective date of this Voluntary Product Standard is the date upon which reference to the Standard may be made by packagers, distributors, users and consumers, and other interested parties. Compliance by packagers with all of the requirements of this Voluntary Product Standard may not actually occur until some time after its effective date. Products shall not be represented as conforming to this Voluntary Product Standard until such time as all requirements established in the Standard are met. The effective date of this Standard is October 15, 1970.

#### **6. HISTORY OF PROJECT**

In August 1968, the American Dry Milk Institute, Inc., submitted a proposed Standard to the National Bureau of Standards with a request that it be developed in accordance with the *Procedures for the Development of Voluntary Product Standards* of the Department of Commerce.

The proposed Standard was unanimously approved by its Standard Review Committee, and on February 3, 1970, the recommended Standard was given wide circulation for consideration and acceptance. An analysis of the responses indicated a consensus among packagers, distributors, and consumers of instant nonfat dry milk as defined in the published procedures.

On September 30, 1970, the Standard designated PS 37-70, *Package Quantities of Instant Nonfat Dry Milk*, was approved for publication by the National Bureau of Standards to be effective October 15, 1970.

Technical Standards Coordinator:

Charles B. Phucas, Office of Engineering Standards Services,  
National Bureau of Standards, Washington, D.C. 20234

## 7. STANDING COMMITTEE

The individuals whose names are listed below constitute the membership of the Standing Committee for this Standard. The function of the committee is to review all proposed revisions and amendments in order to keep this Standard up to date. Comments concerning this Standard and suggestions for its revision may be addressed to any member of the committee or to the Office of Engineering Standards Services, National Bureau of Standards, Washington, D.C. 20234, which acts as secretary for the committee.

### *Representing Packagers*

H. M. Shackelford, (Chairman) Carnation Company, 5045 Wilshire Blvd., Los Angeles, California 90036  
Lee Brandsma, Pet Incorporated, Product Development Services, Greenville, Illinois 62246  
H. K. Olson, Land O' Lakes Creameries, Inc., 1234 North Eleventh Street, Eau Claire, Wisconsin 54701  
E. J. Ryger, Mid-West Producers' Creameries Inc., 224 West Jefferson Boulevard, South Bend, Indiana 46601

### *Representing Distributors*

Garrett H. Altvater, A. R. McChesney Co., Inc., 4924 Hampden Lane, Bethesda, Maryland 20014  
Roy R. Campfield, Ball's Super Food Stores, 5420 Leavenworth Road, Kansas City, Kansas 66104  
S. Kent Christensen, National Association of Food Chains, 1725 Eye Street, NW., Washington, D.C. 20006  
Andrew Pioth, Consolidated Foods Corporation, P.O. Box 1569, Greenville, South Carolina 29602

### *Representing Consumers*

Elizabeth Doumit, Cathlamet, Washington 98612  
Joan M. Hildebrand, Route 2, Box 159, Arnold, Maryland 21012  
Jean Judge, Grand Union Company, East Patterson, New Jersey 07514  
Mary Ellen Murray, Bonnie Brae Farms, Inc., Wellington, Ohio 44090

### *Representing General Interest*

Don E. Konsoer, Bureau of Weights & Measures Food Division, Department of Agriculture, Hill Farms State Office Building, Madison, Wisconsin 53702

## 8. ACCEPTORS

The packagers, distributors, consumers and others listed below have individually indicated in writing their acceptance of this Voluntary Product Standard prior to its publication. The acceptors have indicated their intention to use this Standard as far as practicable but reserve the right to depart from it when necessary. The list is published to show the extent of recorded public support for this Standard.

### PRODUCERS/PACKAGERS

Associated Milk Producers, Inc., Sibley, Iowa  
Carnation Co., Los Angeles, California  
Lawrence Fcods, Inc., Elk Grove Villiage, Illinois  
Mid-West Producers' Creameries, Inc., South Bend, Indiana  
Pet Inc., Saint Louis, Missouri  
State Brand Creameries, Inc., Mason City, Iowa  
Waldon Farm Products, Inc., New York, New York

### DISTRIBUTORS

Adams Super Markets, Inc., Adams, Massachusetts  
Adkins Co., H. F., Lexington, Kentucky  
Albrecht Grocery Co., Fred W., Akron, Ohio  
Allied Supermarkets, Inc., Dearborn, Michigan  
Balls Super Food Stores, Inc., Kansas City, Kansas  
Bi-Go Markets, Inc., Laconia, New Hampshire  
Burkhardt & Carroll, Bluefield, West Virginia  
Champion Stores, Fairmont, West Virginia  
Chautaugua Malted Milk, Inc., Mayville, New York  
Convenient Industries of America, Inc., Louisville, Kentucky  
Dillon Stores, Hutchinson, Kansas  
Eagle Thrifty Drugs & Markets, Reno, Nevada  
Hinky Dinky, Omaha, Nebraska  
King Soopers, Inc., Denver, Colorado  
Klass Corp., Russell G., Buffalo, New York  
Lawrence Co., N. P., Bristol, Tennessee  
Maloley Brothers, Inc., Fort Wayne, Indiana  
McChesney Co., Inc., A. R., Bethesda, Maryland  
M & W Markets, Inc., Boise, Idaho  
National Cooperatives, Inc., Albert Lea, Minnesota  
ory Co., Inc., Ed, Jackson, Mississippi  
Penn Super Market, New Castle, Delaware  
Piggly Wiggly Baker Co., Monroe, Louisiana  
Schrader's Super Markets, Inc., Berrien Springs, Michigan  
Self Service Super Markets, Chanute, Kansas  
Shaw Co., George C., Portland, Maine  
Smiler's Food Stores, Inc. New York, New York  
Super Valu Stores, Inc., Hopkins, Minnesota  
Tote-Sum Ice Stores, Inc., Jackson, Mississippi  
Virginia Markets, Inc., Salem, Virginia  
Woodward & Dickerson, Inc., Philadelphia, Pennsylvania

### USERS AND CONSUMERS

Addiss, Luise K., New York, New York  
Anderson, Clara, Twin Falls, Idaho  
Angevine, Erma, Washington, D.C.  
Armstrong, Jan, Lafayette, Indiana  
Armstrong, Mary W., Union, New Jersey  
Babington, Alice N., Jackson, Mississippi  
Bailey, Betty J., Northridge, California  
Bell, Dan W., Denver, Colorado  
Bernhardt, Jeanne, Brookfield, Illinois  
Bert, Virginia, Havana, Florida  
Birchard, Helen, Sara'oga Springs, New York  
Blandin, Lorene J., Sterling, Colorado  
Brislan, Lucille S., Frankfort, Kentucky  
Brown, Clarence J., Wichita, Kansas  
Burgess, Constance, Berkeley, California  
Christian, Johnie, Denton, Texas  
Davis, Laura A., Yakima, Washington  
Demer, Nancy, Harrisburg, Pennsylvania  
Dodge, Donna, Columbia, Missouri  
Domsch, Ann, Atwood, Kansas  
Draves, Dorothy E., Largo, Florida  
Dvorak, Harold, Rochester, Minnesota  
Ellis, Marv Jane, Burlington, Vermont  
Everson, Katherine, Las Vegas, Nevada  
Farmer, LaVerne, Knoxville, Tennessee  
Fine, Sam D., Annandale, Virginia  
Fitch, Margaret Edsel, El Reno, Oklahoma  
Fitzsimmons, Cleo, W. Lafayette, Indiana  
Flint, Mabel, Davenport, Iowa  
Goss, Dorothy, Urbana, Illinois  
Goss, Martha L., Durham, New Hampshire  
Grady, Ethyl R. Kingston, Rhode Island  
Graham, Eleanor H., Denver, Colorado  
Gray, Beulah M., Newton, Iowa  
Hagberg, Ronald, Minneapolis, Minnesota  
Hall, Katharine B., Upper Montclair, New Jersey  
Halvorsen, Dorothy, Lincoln, Nebraska  
Hamilton, R. Roy, Canyon City, Oregon  
Harris, Phoebe T., State College, Mississippi  
Hassenplug, Louise R., Rock Hill, South Carolina  
Helmick, Sandra A., Columbia, Missouri  
Heuer, Leone Ann, Chicago, Illinois  
Hinman, Frances, Ravenna, Ohio  
Hofert, Wilma M., Naperville, Illinois  
Hummel, Tyyni N., Wauseon, Ohio  
Indra, Orville, O'Neill, Nebraska  
Jeary, Kathleen, St. Paul, Minnesota  
Judge, Jean F., New Brunswick, New Jersey  
Keenan, Margaret A., Cleveland, Ohio  
Konishi, Frank, Carbondale, Illinois  
Krebs, June, Hays, Kansas  
Ladd, Stephanie P., Los Angeles, California  
Laine, Lora, Athens, Georgia  
Leonard, Edna, Berkeley, California  
Macauley, Rubye M., Athens, Ohio  
Mack, Joelene L., Huntington Beach, California

Manning, Sarah L., Lafayette, Indiana  
Martin, Mary F., San Diego, California  
Mau, Helen, San Francisco, California  
Maynard, Ruth, Milledgeville, Georgia  
McCartney, Gladys, Baton Rouge, Louisiana  
McKinney, Florence, Stillwater, Oklahoma  
Metzen, Edward J., Columbia, Missouri  
Meyer, Frances, Carrollton, Missouri  
Miller, Helen G., Laramie, Wyoming  
M Cody, Mary C., Riverton, Illinois  
Moore, Marian E., Tuskegee Institute, Alabama  
Nantz, Evelyn R., College Park, Maryland  
Paschall, Hazel B., Madison, Wisconsin  
Perra, Betsey B., Providence, Rhode Island  
Phillips, E. Bryant, Los Angeles, California  
Prior, Faith, Burlington, Vermont  
Raner, Guy H., Chatsworth, California

Reber, Elwood F., West Lafayette, Indiana  
Reed, Janet C., Newark, Delaware  
Rice, Ann S., Santa Barbara, California  
Rose, Eithel, Auburn, Alabama  
Ruff, Dorothy, Pasadena, California  
Rupert, Lois B., Harrisburg, Pennsylvania  
Scharpenberg, Esther K., Flagstaff, Arizona  
Steenhoek, Judith, Des Moines, Iowa  
Stem, Barbara B., Crystal Lake, Illinois  
Stinson, Corinne I., Tucson, Arizona  
Story, Marilyn, Cedar Falls, Iowa  
Tripp, Donald J., Oshkosh, Wisconsin  
Verhulst, M. P., Madison, Wisconsin  
Wilkins, Mercia S., Boston, Massachusetts  
Williams, R. Elizabeth, Baton Rouge, Louisiana  
Wise, Blanch, Albron, Michigan  
Worth, Sara P., Mt. Holly, New Jersey

### GENERAL INTEREST

Zau, Robert, Binghamton, New York

### FEDERAL GOVERNMENT

Agriculture, Department of, Washington, D.C. Health, Education, and Welfare, Department  
General Services Administration, Washington, of, Washington, D.C.  
D.C.

### STATE AND LOCAL GOVERNMENTS

Alabama, State Department & Industries, Division of Gins & Warehouses, Weights and Measures, Montgomery, Alabama  
District of Columbia, Bureau of Procurement, General Services, Washington, D.C.  
Hawaii, State of, Department of Accounting and General Services, Honolulu, Hawaii  
Indiana, State Board of Health, Division of Weights and Measures, Indianapolis, Indiana  
Iowa, Department of Agriculture, Division of Weights and Measures, Des Moines, Iowa  
Nebraska, State of, Division of Weights & Measures, Lincoln, Nebraska  
New Mexico, Department of Agriculture, Division of Weights and Measures, Las Cruces, New Mexico  
Pennsylvania, Department of Justice, Bureau of Standard Weights and Measures, Harrisburg, Pennsylvania  
Pennsylvania, Department of Property & Supplies, Bureau of Standards, Harrisburg, Pennsylvania  
Wisconsin, Department of Agriculture Bureau of Weights and Measures, Madison, Wisconsin  
Wyoming, Department of Agriculture, Division of Markets, Cheyenne, Wyoming