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shall average within the percentage specified. (See §§ 51.2836 and 51.2837)<sup>1</sup>

**§ 51.2831 U.S. Export No. 1.**

*U.S. Export No. 1* consists of onions which meet the following requirements:

- (a) Basic requirements:
  - (1) Similar varietal characteristics;
  - (2) Mature;
  - (3) Dormant;
  - (4) Fairly firm; and,
  - (5) Fairly well shaped.
- (b) Free from:
  - (1) Decay;
  - (2) Wet sunscald;
  - (3) Doubles;
  - (4) Bottlenecks; and,
  - (5) Scallions.
- (c) Free from damage caused by:
  - (1) Seedstems;
  - (2) Splits;
  - (3) Tops;
  - (4) Roots;
  - (5) Dry sunken areas;
  - (6) Sunburn;
  - (7) Sprouts;
  - (8) Freezing;
  - (9) Peeling;
  - (10) Cracked fleshy scales;
  - (11) Watery scales;
  - (12) Dirt or staining;
  - (13) Foreign matter;
  - (14) Mechanical;
  - (15) Translucent scales;
  - (16) Disease;
  - (17) Insects; and,
  - (18) Other means.

(d) Unless otherwise specified onions are packed in accordance with Export Packing Requirements set forth in § 51.2840. (See § 51.2837.)

**§ 51.2832 U.S. Commercial.**

*U.S. Commercial* consists of onions which meet the following requirements:

- (a) Basic requirements:
  - (1) Similar varietal characteristics;
  - (2) Mature;
  - (3) Not soft or spongy; and,
  - (4) Not badly misshapen.
- (b) Free from:

<sup>1</sup> Any lot of onions quoted as being of size smaller than 1½ inches minimum, such as "U.S. No. 1, 1¼ inches min." is not required to meet the percentages which shall be 2 inches or larger as specified in the U.S. No. 1 grade.

- (1) Decay;
- (2) Wet sunscald;
- (3) Doubles;
- (4) Bottlenecks; and,
- (5) Scallions.
- (c) Free from damage caused by:
  - (1) Seedstems;
  - (2) Tops;
  - (3) Roots;
  - (4) Dry sunken areas;
  - (5) Sunburn;
  - (6) Sprouts;
  - (7) Freezing;
  - (8) Cracked fleshy scales;
  - (9) Watery scales;
  - (10) Mechanical;
  - (11) Translucent scales;
  - (12) Disease;
  - (13) Insects; and,
  - (14) Other means.
- (d) Free from serious damage caused by:
  - (1) Staining;
  - (2) Dirt; and,
  - (3) Other foreign matter.
- (e) For tolerances see § 51.2837.
- (f) Size. Unless otherwise specified, the diameter shall be not less than 1½ inches. (See §§ 51.2836 and 51.2837.)

**§ 51.2833 U.S. No. 1 Boilers.**

*U.S. No. 1 Boilers* consists of onions which meet all the requirements for the U.S. No. 1 grade except for size. (See § 51.2830.) Size: The diameter of onions of this grade shall be not less than 1 inch nor more than 1⅞ inches. (See § 51.2837.)

**§ 51.2834 U.S. No. 1 Picklers.**

*U.S. No. 1 Picklers* consists of onions which meet all the requirements for the U.S. No. 1 grade except for size. (See § 51.2830.) Size: The maximum diameter of onions of this grade shall be not more than 1 inch. (See § 51.2837.)

**§ 51.2835 U.S. No. 2.**

*U.S. No. 2* consists of onions which meet the following requirements:

- (a) Basic requirements:
  - (1) One type;
  - (2) Mature; and,
  - (3) Not soft or spongy.
- (b) Free from:
  - (1) Decay;
  - (2) Wet sunscald; and,
  - (3) Scallions.

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(c) Free from serious damage caused by:

- (1) Watery scales;
- (2) Dirt or Staining;
- (3) Foreign Matter;
- (4) Seedstems;
- (5) Sprouts;
- (6) Mechanical;
- (7) Dry sunken areas;
- (8) Disease;
- (9) Freezing;
- (10) Insects; and,

- (11) Other means.
- (d) For tolerances see § 51.2837.
- (e) Size. Unless otherwise specified, the diameter shall not be less than 1½ inches. (See §§ 51.2836 and 51.2837.)

**SIZE CLASSIFICATIONS**

**§ 51.2836 Size classifications.**

The size of onions may be specified in accordance with one of the following classifications.

Size designation	Minimum diameter		Maximum diameter	
	Inches	Millimeters	Inches	Millimeters
Small .....	1	25.4	2¼	57.2
Repacker/Prepacker <sup>1</sup> .....	1¾	44.5	3	76.2
Medium .....	2	50.8	3¼	82.6
Large or Jumbo .....	3	76.2	( <sup>2</sup> )	.....
Colossal .....	3¾	95.3	( <sup>2</sup> )	.....

<sup>1</sup>In addition to the sizes specified, a lot of onions designated as Repacker or Prepacker shall contain at least 60 percent or more 2 inches or larger in diameter.  
<sup>2</sup>No requirement.

**TOLERANCES**

**§ 51.2837 Tolerances.**

In order to allow for variations incident to proper grading and handling in each of the foregoing grades the following tolerances, by weight, are provided as specified:

- (a) For defects:
  - (1) *U.S. No. 1, U.S. Export No. 1, U.S. No. 1 Boilers and U.S. No. 1 Picklers grades.*

(i) Not more than 10 percent of the onions in a lot may be damaged by peeling; and,

(ii) Not more than 5 percent of the onions in a lot may be below the remaining requirements of these grades, but not more than two-fifths of this tolerance, or 2 percent, may be allowed for onions which are affected by decay or wet sunscald (see § 51.2839.)

(2) *U.S. Commercial and U.S. No. 2 grades.*

(i) Not more than 5 percent of the onions in a lot may be below the requirements of these grades, but not more than two-fifths of this tolerance, or 2 percent, may be allowed for onions which are affected by decay or wet sunscald. (See § 51.2839.)

(ii) [Reserved]

(b) For off-size:

(1) *U.S. No. 1, U.S. No. 1 Boilers, U.S. Commercial, and U.S. No. 2 grades.* Not more than 5 percent of the onions in a lot may be below the specified minimum size, and not more than 10 percent may be above any specified maximum size. (See § 51.2839.)

(2) *U.S. No. 1 Pickler grade.* Not more than 10 percent of the onions in a lot may be above the maximum size specified for this grade. (See § 51.2839.)

**SAMPLES FOR GRADE AND SIZE DETERMINATION**

**§ 51.2838 Samples for grade and size determination.**

Individual samples shall consist of at least 20 pounds for onions packed to meet larger than 2¼ inches maximum diameter. When individual packages contain 20 pounds or more and the onions are packed for Large or Jumbo size or larger the package shall be the sample. When individual packages contain less than 20 pounds, a sufficient number of adjoining packages are opened to provide at least a 20 pound sample, except that for onions packed to meet 2¼ inches maximum diameter or smaller, the sample may consist of either 20 pounds or the individual package.