

§ 868.304

§ 868.304 Broken kernels determination.

Broken kernels shall be determined by the use of equipment and procedures prescribed in FGIS instructions or by any method which gives equivalent results.

[42 FR 40869, Aug. 12, 1977; 42 FR 64356, Dec. 23, 1977, as amended at 47 FR 34516, Aug. 10, 1982; 54 FR 21403, May 18, 1989. Redesignated at 54 FR 21406, May 18, 1989 and 60 FR 16364, Mar. 30, 1995]

§ 868.305 Interpretive line samples.

Interpretive line samples showing the official scoring line for factors that are determined by visual observation shall be maintained by the Federal Grain Inspection Service, U.S. Department of Agriculture, and shall be available for reference in all inspection offices that inspect and grade rice.

[42 FR 40869, Aug. 12, 1977; 42 FR 64356, Dec. 23, 1977, as amended at 47 FR 34516, Aug. 10, 1982. Redesignated at 54 FR 21406, May 18, 1989 and 60 FR 16364, Mar. 30, 1995]

§ 868.306 Milling requirements.

The degree of milling for milled rice; i.e., "well milled," "reasonably well milled," and "lightly milled" shall be equal to, or better than, that of the interpretive line samples for such rice.

[42 FR 40869, Aug. 12, 1977. Redesignated at 54 FR 21406, May 18, 1989 and 60 FR 16364, Mar. 30, 1995]

§ 868.307 Moisture.

Water content in milled rice as determined by an approved device in accordance with procedures prescribed in FGIS instructions. For the purpose of this paragraph, "approved device" shall include the Motomco Moisture Meter and any other equipment that is

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approved by the Administrator as giving equivalent results.

[42 FR 40869, Aug. 12, 1977; 42 FR 64356, Dec. 23, 1977, as amended at 47 FR 34516, Aug. 10, 1982; 54 FR 21403, May 18, 1989. Redesignated at 54 FR 21406, May 18, 1989 and 60 FR 16364, Mar. 30, 1995]

§ 868.308 Percentages.

(a) *Rounding.* Percentages are determined on the basis of weight and are rounded as follows:

(1) When the figure to be rounded is followed by a figure greater than or equal to 5, round to the next higher figure; e.g., report 6.36 as 6.4, 0.35 as 0.4, and 2.45 as 2.5.

(2) When the figure to be rounded is followed by a figure less than 5, retain the figure, e.g., report 8.34 as 8.3 and 1.22 and 1.2.

(b) *Recording.* The percentage of broken kernels removed by a 5 plate in U.S. Nos. 1 and 2 Milled Rice and the percentage of objectionable seeds in U.S. No. 1 Brewers Milled Rice is reported to the nearest hundredth percent. The percentages of all other factors are recorded to the nearest tenth of a percent.

[54 FR 21406, May 18, 1989. Redesignated at 60 FR 16364, Mar. 30, 1995]

§ 868.309 Information.

Requests for the Rice Inspection Handbook, Equipment Handbook, or for information concerning approved devices and procedures, criteria for approved devices, and requests for approval of devices should be directed to the U.S. Department of Agriculture, Federal Grain Inspection Service, P.O. Box 96454, Washington, DC 20090-6454, or any field office or cooperator.

[54 FR 21407, May 18, 1989. Redesignated at 60 FR 16364, Mar. 30, 1995]

Grades, Grade Requirements, and Grade Designations

§ 868.310 Grade and grade requirements for the classes Long Grain Mixed Rice, Mixed Grain Miller Rice, Short Grain Miller Rice, and Mixed Miller Rice. (See also § 868.315.)

Grade	Maximum limits of—											Color require-ments ¹	Minimum mill-ing require-ments ⁵
	Seeds, heat damaged, and paddy kernels (singly or com-bined)		Red rice and dam-aged kernels (singly or com-bined) (per-cent)	Chalky ker-nels ^{1,2}		Broken kernels				Other types ⁴			
	Total (Num-ber in 500 grams)	Heat dam-aged kernels and objec-tion-able seeds (Num-ber in 500 grams)		In long grain rice (per-cent)	In me-dium or short grain rice (per-cent)	Total (per-cent)	Re-moved by a 5 plate ³ (per-cent)	Re-moved by a 6 plate ³ (per-cent)	Through a 6 Sieve ³ (per-cent)	Whole ker-nels (per-cent)	Whole and broken ker-nels (per-cent)		
U.S. No. 1	2	1	0.5	1.0	2.0	4.0	0.04	0.1	0.1	—	1.0	Shall be white or creamy.	Well milled.
U.S. No. 2	4	2	1.5	2.0	4.0	7.0	0.06	0.2	0.2	—	2.0	May be slightly gray.	Well milled.
U.S. No. 3	7	5	2.5	4.0	6.0	15.0	0.1	0.8	0.5	—	3.0	May be light gray.	Reasonably well milled.
U.S. No. 4	20	15	4.0	6.0	8.0	25.0	0.4	2.0	0.7	—	5.0	May be gray or slightly rosy.	Reasonably well milled.
U.S. No. 5	30	25	⁵ 6.0	10.0	10.0	35.0	0.7	3.0	1.0	10.0	—	May be dark gray or rosy.	Lightly milled.
U.S. No. 6	75	75	⁶ 15.0	15.0	15.0	50.0	1.0	4.0	2.0	10.0	—	May be dark gray or rosy.	Lightly milled.

U.S. Sample grade: U.S. Sample grade shall be milled rice of any of these classes which: (a) does not meet the requirements for any of the grades from U.S. No. 1 to U.S. No. 6, inclusive; (b) contains more than 15.0 percent of moisture; (c) is musty or sour, or heating; (d) has any commercially objectionable foreign odor; (e) contains more than 0.1 percent of foreign material; (f) contains two or more live or dead weevils or other insects, insect webbing, or insect refuse; or (g) is otherwise of distinctly low quality.

¹ For the special grade Parboiled milled rice, see § 868.315(c).

² For the special grade Glutinous milled rice, see § 868.315(e).

³ Plates should be used for southern production rice; and sieves should be used for western production rice, but any device or method which gives equivalent results may be used.

⁴ These limits do not apply to the class Mixed Milled Rice.

⁵ For the special grade Undermilled milled rice, see § 868.315(d).

⁶ Grade U.S. No. 6 shall contain not more than 6.0 percent of damaged kernels.

[56 FR 55979, Oct. 31, 1991. Redesignated and amended at 60 FR 16364, 16365, Mar. 30, 1995]

Grain Inspection, Packers and Stockyard Admin. (FGIS), USDA

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§ 868.311

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§ 868.311 Grades and grade requirements for the class Second Head Milled Rice.
(See also § 868.305.)

Grade	Maximum limits of—				Color requirements ¹	Minimum milling requirements ²
	Seeds, heat-damaged, and paddy kernels (singly or combined)		Red rice and damaged kernels (singly or combined) (percent)	Chalky kernels ^{1,3} (percent)		
	Total (Number in 500 grams)	Heat-damaged kernels and objectionable seeds (Number in 500 grams)				
U.S. No. 1	15	5	1.0	4.0	Shall be white or creamy.	Well milled.
U.S. No. 2	20	10	2.0	6.0	May be slightly gray ..	Well milled.
U.S. No. 3	35	15	3.0	10.0	May be light gray	Reasonably well milled.
U.S. No. 4	50	25	5.0	15.0	May be gray or slightly rosy.	Reasonably well milled.
U.S. No. 5	75	40	10.0	20.0	May be dark gray or rosy.	Lightly milled.
U.S. Sample grade						

U.S. Sample grade shall be milled rice of this class which: (a) does not meet the requirements for any of the grades from U.S. No. 1 to U.S. No. 5, inclusive; (b) contains more than 15.0 percent of moisture; (c) is musty or sour, or heating; (d) has any commercially objectionable foreign odor; (e) contains more than 0.1 percent of foreign material; (f) contains two or more live or dead weevils or other insects, insect webbing, or insect refuse; or (g) is otherwise of distinctly low quality.

¹ For the special grade Parboiled milled rice, see § 868.315(c).
² For the special grade Undermilled milled rice, see § 868.315(d).
³ For the special grade Glutinous milled rice, see § 868.315(e).

[56 FR 55980, Oct. 31, 1991. Redesignated and amended at 60 FR 16364, 16365, Mar. 30, 1995]

§ 868.312 Grades and grade requirements for the class Screenings Milled Rice.
(See also § 868.315.)

Grade	Maximum limits of—			Color requirements ¹	Minimum milling requirements ²
	Paddy kernels and seeds		Chalky kernels ^{1,3} (percent)		
	Total (singly or combined) (number in 500 grams)	Objectionable seeds (number in 500 grams)			
U.S. No. 1 ^{4,5}	30	20	5.0	Shall be white or creamy.	Well milled.
U.S. No. 2 ^{4,5}	75	50	8.0	May be slightly gray ..	Well milled.
U.S. No. 3 ^{4,5}	125	90	12.0	May be light gray or slightly rosy.	Reasonably well milled.
U.S. No. 4 ^{4,5}	175	140	20.0	May be gray or rosy ..	Reasonably well milled.
U.S. No. 5	250	200	30.0	May be dark gray or very rosy.	Lightly milled.
U.S. Sample grade—					

U.S. Sample grade shall be milled rice of this class which: (a) does not meet the requirements for any of the grades from U.S. No. 1 to U.S. No. 5, inclusive; (b) contains more than 15.0 percent of moisture; (c) is musty, or sour, or heating; (d) has any commercially objectionable foreign odor; (e) has a badly damaged or extremely red appearance; (f) contains more than 0.1 percent of foreign material; (g) contains two or more live or dead weevils or other insects, insect webbing, or insect refuse; or (h) is otherwise of distinctly low quality.

¹ For the special grade Parboiled milled rice, see § 868.315(c).
² For the special grade Undermilled milled rice, see § 868.315(d).
³ For the special grade Glutinous milled rice, see § 868.315(e).
⁴ Grades U.S. No. 1 to U.S. No. 4, inclusive, shall contain not more than 3.0 percent of heat-damaged kernels, kernels damaged by heat and/or parboiled kernels in nonparboiled rice.
⁵ Grades U.S. No. 1 to U.S. No. 4, inclusive, shall contain not more than 1.0 percent of material passing through a 30 sieve.

[56 FR 55981, Oct. 31, 1991. Redesignated and amended at 60 FR 16364, 16365, Mar. 30, 1995]

§ 868.313 Grades and grade requirements for the class Brewers Milled Rice. (See also § 868.315.)

Grade	Maximum limits of—Paddy kernels and seeds		Color requirements ¹	Minimum milling requirements ²
	Total (singly or combined) (Per-cent)	Objectionable seeds (Per-cent)		
U.S. No. 1 ^{3,4}	0.5	0.05	Shall be white or creamy	Well milled.
U.S. No. 2 ^{3,4}	1.0	0.1	May be slightly gray	Well milled.
U.S. No. 3 ^{3,4}	1.5	0.2	May be light gray or slightly rosy	Reasonably well milled.
U.S. No. 4 ^{3,4}	3.0	0.4	May be gray or rosy	Reasonably well milled.
U.S. No. 5	5.0	1.5	May be dark gray or very rosy	Lightly milled.

U.S. Sample Grade shall be milled rice of this class which: (a) Does not meet the requirements for any of the grades from U.S. No. 1 to U.S. No. 5 inclusive; (b) contains more than 15.0 percent of moisture; (c) is musty, or sour, or heating; (d) has any commercially objectionable foreign odor; (e) has a badly damaged or extremely red appearance; (f) contains more than 0.1 percent of foreign material; (g) contains more than 15.0 percent of broken kernels that will pass through a 2½ sieve; (h) contains two or more live or dead weevils or other insects, insect webbing or insect refuse; or (i) is otherwise of distinctly low quality

¹ For the special grade Parboiled milled rice, see § 868.315(c).
² For the special grade Undermilled milled rice, see § 868.315(d).
³ Grades U.S. No. 1 to U.S. No. 4, inclusive, shall contain not more than 3.0 percent of heat-damaged kernels, kernels damaged by heat and/or parboiled kernels in nonparboiled rice.
⁴ Grades U.S. No. 1 to U.S. No. 4, inclusive, shall contain not more than 1.0 percent of material passing through a 30 sieve. This limit does not apply to the special grade Granulated brewers milled rice.

[42 FR 40869, Aug. 12, 1977, as amended at 54 FR 21407, May 18, 1989. Redesignated and amended at 60 FR 16364, 16365, Mar. 30, 1995]

§ 868.314 Grade designations.

(a) The grade designation for all classes of milled rice, except Mixed Milled Rice, shall include in the following order: (1) The letters “U.S.”; (2) the number of the grade or the words “Sample grade”, as warranted; (3) the words “or better,” when applicable and requested by the applicant prior to inspections; (4) the class; and (5) each applicable special grade (see § 868.316).

(b) The grade designation for the class Mixed Milled Rice shall include, in the following order: (1) The letters “U.S.”; (2) the number of the grade or the words “Sample grade”, as warranted; (3) the words “or better,” when applicable and requested by the applicant prior to inspection; (4) the class; (5) each applicable special grade (see § 868.316); (6) the percentage of whole kernels of each type in the order of predominance and when applicable; (7) the percentage of broken kernels of each type in the order of predominance; and (8) the percentage of seeds and foreign material.

NOTE: Broken kernels other than long grain, in Mixed Milled Rice, shall be certificated as “medium or short grain.”

[42 FR 40869, Aug. 12, 1977; 42 FR 64356, Dec. 23, 1977. Redesignated and amended at 60 FR 16364, Mar. 30, 1995]

SPECIAL GRADES, SPECIAL GRADE REQUIREMENTS, AND SPECIAL GRADE DESIGNATIONS

§ 868.315 Special grades and special grade requirements.

A special grade, when applicable, is supplemental to the grade assigned under § 868.314. Such special grades for milled rice are established and determined as follows:

(a) *Coated Milled Rice.* Coated milled rice shall be rice which is coated, in whole or in part, with substances that are safe and suitable as defined in the regulation issued pursuant to the Federal Food, Drug, and Cosmetic Act at 21 CFR 130.3(d).

(b) *Granulated brewers milled rice.* Granulated brewers milled rice shall be milled rice which has been crushed or granulated so that 95.0 percent or more will pass through a 5 sieve, 70.0 percent or more will pass through a 4 sieve, and