

Table of Contents

Appendix A. Tables.....		169
Table 1-1.	Agencies Responsible for Package Regulations and Applicable Requirements	169
Table 2-1.	Sampling Plans for Category A	171
Table 2-2.	Sampling Plans for Category B	171
Table 2-3.	Category A	172
Table 2-4.	Category B	175
Table 2-5.	Maximum Allowable Variations (MAVs) for Packages Labeled by Weight	176
Table 2-6.	Maximum Allowable Variations (MAVs) for Packages Labeled by Liquid and Dry Volume	178
Table 2-7.	Maximum Allowable Variations (MAVs) for Packages Labeled by Count	181
Table 2-8.	Maximum Allowable Variations (MAVs) for Packages Labeled by Length, Width, or Area	182
Table 2-9.	U.S. Department of Agriculture, Meat, Poultry, and Siluriformes Groups and Lower Limits for Individual Packages (Maximum Allowable Variations [MAVs])	183
Table 2-10.	Exceptions to the Maximum Allowable Variations (MAVs) for Textiles, Polyethylene Sheeting and Film, Mulch and Soil Labeled by Volume, Packaged Firewood and Stove Wood Labeled by Volume, and Packages Labeled by Count with 50 Items or Fewer, and Specific Agricultural Seeds Labeled by Count.....	184
Table 2-11.	Sampling Plans and Accuracy Requirements for Packages Labeled by Low Count (50 or Fewer) and Packages Given Tolerances (Glass and Stemware)	186

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Appendix A. Tables

Table 1-1. Agencies Responsible for Package Regulations and Applicable Requirements

Commodity	Responsible Agency	NIST Handbook 133 Sampling Plans	Table of Maximum Allowable Variations
<p>Meat, Poultry, and Siluriformes*</p> <p>*Siluriformes include, but are not limited to, “catfish” (fish of the family Ictaluridae) and “basa” and “swai” (fish of the family Pangasiidae).</p>	<p>U.S. Department of Agriculture, Food Safety and Inspection Service and state and local weights and measures.</p> <p>www.nist.gov/pml/owm</p>	<p>Use Table 2-1. Sampling Plans for Category A to test packages at other than point of pack.</p> <p>Use Table 2-2. Sampling Plans for Category B to test packages in federally inspected meat and poultry plants.</p>	<p>Table 2-9. U.S. Department of Agriculture, Meat, Poultry, and Siluriformes Groups and Lower Limits for Individual Packages</p>
<p>Foods, drugs, and cosmetics subject to the Food, Drug, and Cosmetic Act including those packaged at the retail store level that have been in interstate commerce (e.g., seafood) or those made with ingredients that have been in interstate commerce and beer made from substitutes for malted barley (e.g., sorghum, rice, or wheat) and wine beverages with an alcohol content of less than 7 % by volume</p>	<p>U.S. Food and Drug Administration and state and local weights and measures</p> <p>www.fda.gov</p>	<p>Use Table 2-1. Sampling Plans for Category A to test packages at all locations.</p>	<p>Table 2-5. MAVs for Packages Labeled by Weight</p> <p>Table 2-6. MAVs for Packages Labeled by Liquid or Dry Volume</p> <p>Table 2-7. MAVs for Packages Labeled by Count</p> <p>Table 2-8. MAVs for Packages Labeled by Length (Width) or Area</p>
<p>Tobacco</p>	<p>U.S. Food and Drug Administration and local weights and measures</p> <p>www.fda.gov</p>		

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Table 1-1. Agencies Responsible for Package Regulations and Applicable Requirements			
Commodity	Responsible Agency	NIST Handbook 133 Sampling Plans	Table of Maximum Allowable Variations
Food products <u>not</u> subject to the Federal Food, Drug, and Cosmetic Act, including meat and poultry products packaged at the retail store level	State and local weights and measures www.nist.gov/pml/owm		Table 2-10. Exceptions to the MAVs for Textiles, Polyethylene Sheeting and Film, Mulch and Soil Labeled by Volume, Packaged Firewood and Stove Wood Labeled by Volume, and Packages Labeled by Count with 50 Items or Fewer, and Specific Agricultural Seeds Labeled by Count
Non-food Consumer Products	Federal Trade Commission www.ftc.gov		
Non-food Consumer and Non-consumer Products	State and local weights and measures www.nist.gov/pml/owm/resources-weights-and-measures/state-weights-and-measures-directors		
Alcohol Products, except for beer made from substitutes for malted barley (e.g., sorghum, rice, or wheat) and wine beverages with an alcohol content of less than 7 % by volume, which are regulated by FDA	Alcohol and Tobacco Tax and Trade Bureau. State and local weights and measures www.ttb.gov		
Pesticides (Refer to Section 1.4.1. “Net Quantity of Contents Compliance Requirements for Pesticides Labeled with Minimum Net Quantity of Contents Declarations.”)	U.S. Environmental Protection Agency and state and local weights and measures www.epa.gov		

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Table 2-1. Sampling Plans for Category A					
1	2	3	4	5	6
Inspection Lot Size	Sample Size	Sample Correction Factor	Number of Minus Package Errors Allowed to Exceed the MAV ¹	Initial Tare Sample Size ²	
				Glass and Aerosol Packages	All Other Packages
1	1	Apply MAV	0 ¹	2	2
2	2	8.985			
3	3	2.484			
4	4	1.591			
5	5	1.242			
6	6	1.049			
7	7	0.925			
8	8	0.836			
9	9	0.769			
10	10	0.715			
11	11	0.672			
12 to 250	12	0.635			
251 to 3 200	24	0.422			
More than 3 200	48	0.290			

¹ For mulch and soils packaged by volume see Table 2-10. Exceptions to the Maximum Allowable Variations – 1 package may exceed the MAV for every 12 packages in the sample.

² If sample size is 11 or fewer, the initial tare sample size and the total tare sample size is 2 samples.

Table 2-2. Sampling Plans for Category B (for Use in USDA-Inspected Meat and Poultry Plants Only)			
1	2	3	4
Inspection Lot Size	Sample Size	Initial Tare Sample Size	Number of Packages Allowed to Exceed the MAVs in Table 2-9
250 or Fewer	10	2	0
251 or More	30	5	

Table 2-3. Category A					
	Total Number of Packages in Tare Sample				
	Note: Total number of packages to be opened for tare determination. Numbers include those packages opened for initial tare sample.				
Sample Size	12	24		48	
Initial Tare Sample Size	2	2	3	2	3
Ratio of Rc/Rt					
If range of tare equals “zero,” use Initial Tare Sample Size.					
If the ratio is “zero” based on a “zero” range of package error, open all of the packages in the sample.	2	2	3	2	3
If the ratio is greater than 0 but less than or equal to 0.2	12	24	24	48	48
0.21 to 0.60	12	24	24	48	48
0.61 to 0.70	12	24	24	47	47
0.71 to 0.80	12	23	23	47	47
0.81 to 1.00	12	23	23	46	46
1.01 to 1.10	11	23	23	46	46
1.11 to 1.20	11	23	23	45	45
1.21 to 1.30	11	22	22	45	45
1.31 to 1.50	11	22	22	44	44
1.51 to 1.60	11	22	22	43	43
1.61 to 1.70	11	21	21	42	42
1.71 to 1.80	10	21	21	42	42
1.81 to 1.90	10	21	21	41	41
1.91 to 2.00	10	20	20	41	41
2.01 to 2.10	10	20	20	40	40
2.11 to 2.20	10	20	20	39	39
2.21 to 2.30	10	19	19	39	39
2.31 to 2.40	9	19	19	38	38
2.41 to 2.50	9	19	19	37	37
2.51 to 2.60	9	18	18	37	37
2.61 to 2.70	9	18	18	36	36
2.71 to 2.80	9	18	18	35	35
2.81 to 2.90	9	17	17	34	34

Table 2-3. Category A					
	Total Number of Packages in Tare Sample				
	Note: Total number of packages to be opened for tare determination. Numbers include those packages opened for initial tare sample.				
Sample Size	12	24		48	
Initial Tare Sample Size	2	2	3	2	3
Ratio of Rc/Rt					
2.91 to 3.00	8	17	17	34	34
3.01 to 3.10	8	17	17	33	33
3.11 to 3.30	8	16	16	32	32
3.31 to 3.40	8	16	16	31	31
3.41 to 3.50	8	15	15	30	30
3.51 to 3.60	7	15	15	30	30
3.61 to 3.70	7	15	15	29	29
3.71 to 3.90	7	14	14	28	28
3.91 to 4.00	7	14	14	27	27
4.01 to 4.10	7	13	13	27	27
4.11 to 4.20	7	13	13	26	26
4.21 to 4.30	6	13	13	25	25
4.31 to 4.40	6	12	12	25	25
4.41 to 4.60	6	12	12	24	24
4.61 to 4.70	6	12	12	23	23
4.71 to 4.80	6	11	11	23	23
4.81 to 4.90	6	11	11	22	22
4.91 to 5.00	5	11	11	22	22
5.01 to 5.10	5	11	11	21	21
5.01 to 5.10	5	11	11	21	21
5.11 to 5.20	5	10	10	21	21
5.21 to 5.40	5	10	10	20	20
5.41 to 5.60	5	10	10	19	19
5.61 to 5.70	5	9	9	19	19
5.71 to 5.80	5	9	9	18	18
5.81 to 5.90	4	9	9	18	18

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Table 2-3. Category A					
	Total Number of Packages in Tare Sample				
	Note: Total number of packages to be opened for tare determination. Numbers include those packages opened for initial tare sample.				
Sample Size	12	24		48	
Initial Tare Sample Size	2	2	3	2	3
Ratio of Rc/Rt					
5.91 to 6.10	4	9	9	17	17
6.11 to 6.20	4	8	8	17	17
6.21 to 6.50	4	8	8	16	16
6.51 to 6.70	4	8	8	15	15
6.71 to 6.80	4	7	7	15	15
6.81 to 7.00	4	7	7	14	14
7.01 to 7.20	3	7	7	14	14
7.21 to 7.40	3	7	7	13	13
7.41 to 7.60	3	6	6	13	13
7.61 to 8.00	3	6	6	12	12
8.01 to 8.20	3	6	6	11	11
8.21 to 8.50	3	5	5	11	11
8.51 to 8.80	3	5	5	10	10
8.81 to 9.00	2	5	5	10	10
9.01 to 9.30	2	5	5	9	9
9.31 to 9.70	2	4	4	9	9
9.71 to 10.40	2	4	4	8	8
10.41 to 10.90	2	4	4	7	7
10.91 to 11.30	2	3	3	7	7
11.31 to 12.50	2	3	3	6	6
12.51 to 13.20	2	3	3	5	5
13.21 to 13.90	2	2	3	5	5
13.91 to 16.00	2	2	3	4	4
16.01 to 19.10	2	2	3	3	3
19.11 to 19.20	2	2	3	2	3
Initial Tare Sample Size	2	2	3	2	3

Table 2-4. Category B		
	Total Number of Packages in Tare Sample	
	Note: Total number of packages to be opened for tare determination. Numbers include those packages opened for initial tare sample.	
Sample Size	10	30
Initial Tare Sample Size	2	5
Ratio of Rc/Rt		
If the ratio is zero, based on a “zero” range of tare, use Initial Tare Sample Size.		
If the ratio is “zero” based on a “zero” range of package errors, open all the packages in the sample.	2	5
If the ratio is greater than 0 but less than or equal to 0.2	10	30
0.21 to 0.40	10	29
0.41 to 0.60	10	28
0.61 to 0.80	9	26
0.81 to 1.00	8	24
1.01 to 1.20	8	23
1.21 to 1.40	7	21
1.41 to 1.60	7	19
1.61 to 1.80	6	17
1.81 to 2.00	5	15
2.01 to 2.20	5	14
2.21 to 2.40	5	13
2.41 to 2.60	4	12
2.61 to 2.80	4	11
2.81 to 3.00	4	10
3.01 to 3.20	3	9
3.21 to 3.60	3	8
3.61 to 3.80	3	7
3.81 to 4.40	2	6
If the ratio is greater than 4.40, use the Initial Tare Sample Size	2	5

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Table 2-5. Maximum Allowable Variations (MAVs) for Packages Labeled by Weight

Do Not Use this Table for Meat and Poultry Products Subject to USDA Regulations – Use Table 2-9.

For Polyethylene Sheeting and Film, see Table 2-10. Exceptions to the MAVs.

Labeled Quantity	Maximum Allowable Variations
Less than 36 g, 0.08 lb, or 1.28 oz	10 % of labeled quantity
36 g or more to 54 g 0.08 lb or more to 0.12 lb 1.28 oz or more to 1.92 oz	3.6 g 0.008 lb $\frac{1}{8}$ oz
More than 54 g to 81 g More than 0.12 lb to 0.18 lb More than 1.92 oz to 2.88 oz	5.4 g 0.012 lb $\frac{3}{16}$ oz
More than 81 g to 117 g More than 0.18 lb to 0.26 lb More than 2.88 oz to 4.16 oz	7.2 g 0.016 lb $\frac{1}{4}$ oz
More than 117 g to 154 g More than 0.26 lb to 0.34 lb More than 4.16 oz to 5.44 oz	9.0 g 0.020 lb $\frac{5}{16}$ oz
More than 154 g to 208 g More than 0.34 lb to 0.46 lb More than 5.44 oz to 7.36 oz	10.8 g 0.024 lb $\frac{3}{8}$ oz
More than 208 g to 263 g More than 0.46 lb to 0.58 lb More than 7.36 oz to 9.28 oz	12.7 g 0.028 lb $\frac{7}{16}$ oz
More than 263 g to 317 g More than 0.58 lb to 0.70 lb More than 9.28 oz to 11.20 oz	14.5 g 0.032 lb $\frac{1}{2}$ oz
More than 317 g to 381 g More than 0.70 lb to 0.84 lb More than 11.20 oz to 13.44 oz	16.3 g 0.036 lb $\frac{9}{16}$ oz
More than 381 g to 426 g More than 0.84 lb to 0.94 lb More than 13.44 oz to 15.04 oz	18.1 g 0.040 lb $\frac{5}{8}$ oz
More than 426 g to 489 g More than 0.94 lb to 1.08 lb More than 15.04 oz to 17.28 oz	19.9 g 0.044 lb $\frac{11}{16}$ oz
More than 489 g to 571 g More than 1.08 lb to 1.26 lb	21.7 g 0.048 lb
More than 571 g to 635 g More than 1.26 lb to 1.40 lb	23.5 g 0.052 lb
More than 635 g to 698 g More than 1.40 lb to 1.54 lb	25.4 g 0.056 lb

Table 2-5. Maximum Allowable Variations (MAVs) for Packages Labeled by Weight	
Do Not Use this Table for Meat and Poultry Products Subject to USDA Regulations – Use Table 2-9. For Polyethylene Sheeting and Film, see Table 2-10. Exceptions to the MAVs.	
Labeled Quantity	Maximum Allowable Variations
More than 698 g to 771 g More than 1.54 lb to 1.70 lb	27.2 g 0.060 lb
More than 771 g to 852 g More than 1.70 lb to 1.88 lb	29.0 g 0.064 lb
More than 852 g to 970 g More than 1.88 lb to 2.14 lb	31.7 g 0.070 lb
More than 970 g to 1.12 kg More than 2.14 lb to 2.48 lb	35.3 g 0.078 lb
More than 1.12 kg to 1.25 kg More than 2.48 lb to 2.76 lb	39.0 g 0.086 lb
More than 1.25 kg to 1.45 kg More than 2.76 lb to 3.20 lb	42.6 g 0.094 lb
More than 1.45 kg to 1.76 kg More than 3.20 lb to 3.90 lb	49 g 0.11 lb
More than 1.76 kg to 2.13 kg More than 3.90 lb to 4.70 lb	54 g 0.12 lb
More than 2.13 kg to 2.63 kg More than 4.70 lb to 5.80 lb	63 g 0.14 lb
More than 2.63 kg to 3.08 kg More than 5.80 lb to 6.80 lb	68 g 0.15 lb
More than 3.08 kg to 3.58 kg More than 6.80 lb to 7.90 lb	77 g 0.17 lb
More than 3.58 kg to 4.26 kg More than 7.90 lb to 9.40 lb	86 g 0.19 lb
More than 4.26 kg to 5.30 kg More than 9.40 lb to 11.70 lb	99 g 0.22 lb
More than 5.30 kg to 6.48 kg More than 11.70 lb to 14.30 lb	113 g 0.25 lb
More than 6.48 kg to 8.02 kg More than 14.30 lb to 17.70 lb	127 g 0.28 lb
More than 8.02 kg to 10.52 kg More than 17.70 lb to 23.20 lb	140 g 0.31 lb
More than 10.52 kg to 14.33 kg More than 23.20 lb to 31.60 lb	167 g 0.37 lb
More than 14.33 kg to 19.23 kg More than 31.60 lb to 42.40 lb	199 g 0.44 lb

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Table 2-5. Maximum Allowable Variations (MAVs) for Packages Labeled by Weight	
Do Not Use this Table for Meat and Poultry Products Subject to USDA Regulations – Use Table 2-9. For Polyethylene Sheeting and Film, see Table 2-10. Exceptions to the MAVs.	
Labeled Quantity	Maximum Allowable Variations
More than 19.23 kg to 24.67 kg More than 42.40 lb to 54.40 lb	226 g 0.50 lb
More than 24.67 kg More than 54.40 lb	2 % of labeled quantity

(Amended 2004)

Table 2-6. Maximum Allowable Variations (MAVs) for Packages Labeled by Liquid and Dry Volume	
Do Not Use this Table for Meat and Poultry Products Subject to USDA Regulations. For Mulch, see Table 2-10. Exceptions to the Maximum Allowable Variations, Use Table 2-9 for USDA –Regulated Products.	
Labeled Quantity	Maximum Allowable Variations (MAVs)
3 mL or less 0.50 fl oz or less 0.18 in ³ or less	0.5 mL 0.02 fl oz 0.03 in ³
More than 3 mL to 8 mL More than 0.18 in ³ to 0.49 in ³	1.0 mL 0.06 in ³
More than 8 mL to 14 mL More than 0.49 in ³ to 0.92 in ³	1.5 mL 0.09 in ³
More than 14 mL to 22 mL More than 0.50 fl oz to 0.75 fl oz More than 0.92 in ³ to 1.35 in ³	1.7 mL 0.06 fl oz 0.10 in ³
More than 22 mL to 66 mL More than 0.75 fl oz to 2.25 fl oz More than 1.35 in ³ to 4.06 in ³	3.8 mL 0.13 fl oz 0.23 in ³
More than 66 mL to 125 mL More than 2.25 fl oz to 4.25 fl oz More than 4.06 in ³ to 7.66 in ³	5.6 mL 0.19 fl oz 0.34 in ³
More than 125 mL to 170 mL More than 4.25 fl oz to 5.75 fl oz More than 7.66 in ³ to 10.37 in ³	7.3 mL 0.25 fl oz 0.45 in ³
More than 170 mL to 221 mL More than 5.75 fl oz to 7.50 fl oz More than 10.37 in ³ to 13.53 in ³	9.1 mL 0.31 fl oz 0.55 in ³
More than 221 mL to 347 mL More than 7.50 fl oz to 11.75 fl oz More than 13.53 in ³ to 21.20 in ³	11.2 mL 0.38 fl oz 0.68 in ³

Table 2-6. Maximum Allowable Variations (MAVs) for Packages Labeled by Liquid and Dry Volume	
Do Not Use this Table for Meat and Poultry Products Subject to USDA Regulations. For Mulch, see Table 2-10. Exceptions to the Maximum Allowable Variations, Use Table 2-9 for USDA –Regulated Products.	
Labeled Quantity	Maximum Allowable Variations (MAVs)
More than 347 mL to 502 mL More than 11.75 fl oz to 17.00 fl oz More than 21.20 in ³ to 30.67 in ³	14.7 mL 0.5 fl oz 0.90 in ³
More than 502 mL to 621 mL More than 17 fl oz to 21 fl oz More than 30.67 in ³ to 37.89 in ³	18.6 mL 0.63 fl oz 1.13 in ³
More than 621 mL to 798 mL More than 21 fl oz to 27 fl oz More than 37.89 in ³ to 48.72 in ³	22.1 mL 0.75 fl oz 1.35 in ³
More than 798 mL to 916 mL More than 27 fl oz to 31 fl oz More than 48.72 in ³ to 55.94 in ³	26.0 mL 0.88 fl oz 1.58 in ³
More than 916 mL to 1.15 L More than 31 fl oz to 39 fl oz More than 55.94 in ³ to 70.38 in ³	29 mL 1 fl oz 1.80 in ³
More than 1.15 L to 1.62 L More than 39 fl oz to 55 fl oz More than 70.38 in ³ to 99.25 in ³	36 mL 1.25 fl oz 2.25 in ³
More than 1.62 L to 2.04 L More than 55 fl oz to 69 fl oz More than 99.25 in ³ to 124.5 in ³	44 mL 1.5 fl oz 2.70 in ³
More than 2.04 L to 2.51 L More than 69 fl oz to 85 fl oz More than 124.5 in ³ to 153.3 in ³	51 mL 1.75 fl oz 3.1 in ³
More than 2.51 L to 3.04 L More than 85 fl oz to 103 fl oz More than 153.3 in ³ to 185.8 in ³	59 mL 2 fl oz 3.6 in ³
More than 3.04 L to 4.73 L More than 103 fl oz to 160 fl oz More than 185.8 in ³ to 288.7 in ³	73 mL 2.5 fl oz 4.5 in ³
More than 4.73 L to 5.48 L More than 160 fl oz to 185.6 fl oz More than 288.7 in ³ to 334.9 in ³	88 mL 3 fl oz 5.4 in ³
More than 5.48 L to 7.09 L More than 185.6 fl oz to 240 fl oz More than 334.9 in ³ to 443.1 in ³	103 mL 3.5 fl oz 6.3 in ³

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Table 2-6. Maximum Allowable Variations (MAVs) for Packages Labeled by Liquid and Dry Volume

Do Not Use this Table for Meat and Poultry Products Subject to USDA Regulations.

For Mulch, see Table 2-10. Exceptions to the Maximum Allowable Variations,
Use Table 2-9 for USDA –Regulated Products.

Labeled Quantity	Maximum Allowable Variations (MAVs)
More than 7.09 L to 8.04 L More than 240 fl oz to 272 fl oz More than 443.1 in ³ to 490.8 in ³	118 mL 4 fl oz 7.2 in ³
More than 8.04 L to 10.17 L More than 272 fl oz to 344 fl oz More than 490.8 in ³ to 620.8 in ³	133 mL 4.5 fl oz 8.1 in ³
More than 10.17 L to 11.59 L More than 344 fl oz to 392 fl oz More than 620.8 in ³ to 707.4 in ³	147 mL 5 fl oz 9.0 in ³
More than 11.59 L to 16.56 L More than 392 fl oz to 560 fl oz More than 707.4 in ³ to 1 010 in ³	177 mL 6 fl oz 10.8 in ³
More than 16.56 L to 18.92 L More than 560 fl oz to 640 fl oz (5 gal) More than 1 010 in ³ into 1 155 in ³	207 mL 7 fl oz 12.6 in ³
More than 18.92 L to 23.65 L More than 640 fl oz to 800 fl oz More than 1 155 in ³ to 1 443 in ³	236 mL 8 fl oz 14.4 in ³
More than 23.65 L to 26.73 L More than 800 fl oz to 904 fl oz More than 1 443 in ³ to 1 631 in ³	266 mL 9 fl oz 16.2 in ³
More than 26.73 L More than 904 fl oz More than 1 631 in ³	1 % of labeled quantity

(Amended 2004)

Table 2-7. Maximum Allowable Variations (MAVs) for Packages Labeled by Count	
Labeled Quantity	Maximum Allowable Variations (MAVs)
17 or less	0
18 to 50	1
51 to 83	2
84 to 116	3
117 to 150	4
151 to 200	5
201 to 240	6
241 to 290	7
291 to 345	8
346 to 400	9
401 to 465	10
466 to 540	11
541 to 625	12
626 to 725	13
726 to 815	14
816 to 900	15
901 to 990	16
991 to 1075	17
1076 to 1165	18
1166 to 1250	19
1251 to 1333	20
1334 or more	1.5 % of labeled count rounded off to the nearest whole number

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Table 2-8. Maximum Allowable Variations (MAVs) for Packages Labeled by Length, Width, or Area	
(For Textiles, Polyethylene Sheeting and Film – Use Table 2-10. Exceptions to the MAVs)	
Labeled Quantity	Maximum Allowable Variations (MAVs) of Labeled Quantity
1 m or less 1 yd or less	3 %
More than 1 m to 43 m More than 1 yd to 48 yd	1.5 %
More than 43 m to 87 m More than 48 yd to 96 yd	2 %
More than 87 m to 140 m More than 96 yd to 154 yd	2.5 %
More than 140 m to 301 m More than 154 yd to 330 yd	3 %
More than 301 m to 1 005 m More than 330 yd to 1 100 yd	4 %
More than 1 005 m or 1 100 yd	5 %
Maximum Allowable Variations (MAV) for Packages Labeled by Area	
The MAV for packages labeled by area is 3 % of labeled quantity.	

(Amended 2004)

Table 2-9. U.S. Department of Agriculture, Meat, Poultry, and Siluriformes Groups and Lower Limits for Individual Packages (Maximum Allowable Variations [MAVs])		
Definition of Group and Labeled Quantity		Lower Limit for Individual Weights (MAVs)
Homogenous Fluid When Filled (e.g., baby food or containers of lard)	All Other Products	
Less than 85 g or 3 oz		10 % of labeled quantity
85 g or more to 453 g 3 oz or more to 16 oz		7.1 g 0.016 lb (0.25 oz)
More than 453 g More than 16 oz	85 g or more to 198 g 3 oz to 7 oz	14.2 g 0.031 lb (0.5 oz)
	More than 198 g to 1.36 kg 7 oz to 48 oz	28.3 g 0.062 lb (1 oz)
	More than 1.36 kg to 4.53 kg More than 48 oz to 160 oz	42.5 g 0.094 lb (1.5 oz)
	More than 4.53 kg More than 160 oz	1 % of labeled quantity

(Amended 2018)

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Table 2-10. Exceptions to the Maximum Allowable Variations (MAVs) for Textiles, Polyethylene Sheeting and Film, Mulch and Soil Labeled by Volume, Packaged Firewood and Stove Wood Labeled by Volume, and Packages Labeled by Count with 50 Items or Fewer, and Specific Agricultural Seeds Labeled by Count.

	Maximum Allowable Variations (MAVs)
Polyethylene Sheeting and Film	<p>Thickness</p> <p>When the labeled thickness is 25 μm (1 mil or 0.001 in) or less, any individual thickness measurement of polyethylene film may be up to 35 % below the labeled thickness.</p> <p>When the labeled thickness is greater than 25 μm (1 mil or 0.001 in), individual thickness measurements of polyethylene sheeting may be up to 20 % less than the labeled thickness.</p> <p>The average thickness of a single package of polyethylene sheeting may be up to 4 % less than the labeled thickness.</p> <p>Weight</p> <p>The MAV for individual packages of polyethylene sheeting and film shall be 4 % of the labeled quantity.</p>
Textiles	<p>The MAVs are:</p> <p>For packages labeled with dimensions of 60 cm (24 in) or more:</p> <p style="padding-left: 40px;">3 % of the labeled quantity for negative errors; and 6 % of the labeled quantity for plus errors.</p> <p>For packages labeled with dimensions less than 60 cm (24 in):</p> <p style="padding-left: 40px;">6 % of the labeled quantity for negative errors; and 12 % for plus errors.</p>
Mulch And Soil Labeled By Volume	<p>The MAVs are:</p> <p>For individual packages: 5 % of the labeled volume.</p> <p>For samples: One package may exceed the MAV for every 12 packages in the sample (e.g., when the sample size is 12 or fewer, 1 package may exceed the MAV and when the sample size is 48 packages, 4 packages may exceed the MAV).</p>

Table 2-10. Exceptions to the Maximum Allowable Variations (MAVs) for Textiles, Polyethylene Sheeting and Film, Mulch and Soil Labeled by Volume, Packaged Firewood and Stove Wood Labeled by Volume, and Packages Labeled by Count with 50 Items or Fewer, and Specific Agricultural Seeds Labeled by Count.	
	Maximum Allowable Variations (MAVs)
Packaged Firewood and Stove Wood Labeled by Volume	<p>20 % of labeled quantity</p> <p>Note: Use Table 2-5 “Maximum Allowable Variations for Packages Labeled by Weight” for packaged artificial and compressed fireplace logs and stove wood pellets and chips labeled by weight.</p>
Specific Agricultural Seeds Labeled By Count	<p>The MAVS are:</p> <p>For corn seed: 2 % of the labeled count</p> <p>For soybean seed: 4 % of the labeled count</p> <p>For field bean seed: 5 % of the labeled count</p> <p>For wheat seed: 3 % of the labeled count</p>
Animal Bedding	5 % of the labeled volume

(Amended 2010 and 2016)

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Table 2-11. Sampling Plans and Accuracy Requirements for Packages Labeled by Low Count (50 or Fewer) and Packages Given Tolerances (Glass and Stemware)			
	1	2	3
Inspection Lot Size	Sample Size	For Packages Labeled by Low Count (50 or Fewer)	For Packages Given Tolerances (Glasses and Stemware)
		Number of Packages Allowed to Contain Less than the Labeled Count	Number of Package Errors that May Exceed the Allowable Difference
1 – 11	1-11	1	0
12 – 250	12	1	0
251 – 3200	24	2	1
More than 3200	48	3	2

(Amended 2004)