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
Meat and Poultry	U.S. Department of Agriculture/Food Safety and Inspection Service and state and local weights and measures.	Use Table 2-1. Sampling Plans for Category A to test packages at other than point of pack.	Table 2-9. U.S. Department of Agriculture, Meat and Poultry, Groups and Lower Limits for Individual Packages
		Use Table 2-2. Sampling Plans for Category B to test packages in federally inspected meat and poultry plants.	
Foods, drugs, and cosmetics subject to the Food, Drug, and Cosmetic Act including	U.S. Food and Drug Administration and state and local weights and measures	Use Table 2-1. Sampling Plans for Category A to test packages at all locations.	Table 2-5. MAVs for Packages Labeled by Weight
those packaged at the retail store level that have been in interstate	http://www.fda.gov		Table 2-6. MAVs for Packages Labeled by Liquid or Dry Volume
commerce (e.g., seafood) or those made with ingredients that have been in interstate			Table 2-7. MAVs for Packages Labeled by Count
commerce and beer made from substitutes for malted barley (e.g., sorghum, rice, or wheat) and wine beverages with			Table 2-8. MAVs for Packages Labeled by Length (Width) or Area
an alcohol content of less than 7 % by volume			Table 2-10. Exceptions to the MAVs for
Food products not subject to the Federal Food, Drug, and Cosmetic Act, including	State and local weights and measures		Textiles, Polyethylene Sheeting and Film, Mulch and Soil Labeled by Volume, Packaged Firewood Labeled in
meat and poultry products packaged at the retail store level	http://www.nist.gov/pml/wmd/		Terms of Volume, and Packages Labeled by Count with 50 Items or Fewer, and Specific
Non-food Consumer Products	Federal Trade Commission		Agriculture Seeds Labeled by Count
	http://www.ftc.gov		

Table 1-1. Continued on next page

Table 1-1. Agencies Responsible for Package Regulations and Applicable Requirements			
Commodity	Responsible Agency	NIST Handbook 133 Sampling Plans	Table of Maximum Allowable Variations
Non-food Consumer and Non-consumer Products	State and local weights and measures	Use Table 2-1. Sampling Plans for Category A to test packages at all locations.	Table 2-5. MAVs for Packages Labeled by Weight
Alcohol and Tobacco 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	Alcohol and Tobacco Tax and Trade Bureau. State and local weights and measures http://www.ttb.gov	packages at an locations.	Table 2-6. MAVs for Packages Labeled by Liquid or Dry Volume
FDA Pesticides	U.S. Environmental		Table 2-7. MAVs for Packages Labeled by Count
resides	Protection Agency and state and local weights and measures http://www.epa.gov		Table 2-8. MAVs for Packages Labeled by Length (Width) or Area
			Table 2-10. Exceptions to the MAVs for Textiles, Polyethylene Sheeting and Film, Mulch and Soil Labeled by Volume, Packaged Firewood Labeled in Terms of Volume, and Packages Labeled by Count with 50 Items or Fewer, and Specific Agriculture Seeds Labeled by Count

Table 2-1. Sampling Plans for Category A					
1	2	3	4	5	6
I I	Number of Sample Minus Package		Initial Tare Sa	are Sample Size ²	
Inspection Lot Size	Sample Size	Correction Factor	Errors Allowed to Exceed the MAV ¹	Glass and Aerosol Packages	All Other Packages
1	1	Apply MAV			
2	2	8.985			
3	3	2.484			
4	4	1.591			
5	5	1.242			
6	6	1.049	0^1	2	2
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		3	
More than 3 200	48	0.290	11	3	

¹For 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.

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	U	

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

Table 2-3. Category A					
	Total Number of Packages in Tare Sample				
	Note: Total number of packages to be opened for tare deter Numbers include those packages opened for initial tare sample.			termination.	
Sample Size	12		24	48	
Initial Tare Sample Size	2	2	3	2	3
Ratio of R_c/R_t					
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 do Numbers include those packages opened for initial tare sample.				termination.	
Sample Size	12	2	24	48	48	
Initial Tare Sample Size	2	2	3	2	3	
Ratio of R_c/R_t						
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	

Table 2-3. Category A					
	Total Number of Packages in Tare Sample				
			kages to be ope ges opened for ini		terminatio
Sample Size	12	:	24	48	
Initial Tare Sample Size	2	2	3	2	3
Ratio of R_c/R_t					
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 Pack	ages in Tare Sample	
	Note: Total number of packages to be opened for tare determinat Numbers include those packages opened for initial tare sample.		
Sample Size	10	30	
Initial Tare Sample Size	2	5	
Ratio of R _c /R _t			
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	

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 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 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 ½ 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 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 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 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 ½ 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 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 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 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
More than 698 g to 771 g	27.2 g

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 1.54 lb to 1.70 lb	0.060 lb
More than 771 g to 852 g	29.0 g
More than 1.70 lb to 1.88 lb	0.064 lb
More than 852 g to 970 g	31.7 g
More than 1.88 lb to 2.14 lb	0.070 lb
More than 970 g to 1.12 kg	35.3 g
More than 2.14 lb to 2.48 lb	0.078 lb
More than 1.12 kg to 1.25 kg	39.0 g
More than 2.48 lb to 2.76 lb	0.086 lb
More than 1.25 kg to 1.45 kg	42.6 g
More than 2.76 lb to 3.20 lb	0.094 lb
More than 1.45 kg to 1.76 kg	49 g
More than 3.20 lb to 3.90 lb	0.11 lb
More than 1.76 kg to 2.13 kg	54 g
More than 3.90 lb to 4.70 lb	0.12 lb
More than 2.13 kg to 2.63 kg	63 g
More than 4.70 lb to 5.80 lb	0.14 lb
More than 2.63 kg to 3.08 kg	68 g
More than 5.80 lb to 6.80 lb	0.15 lb
More than 3.08 kg to 3.58 kg	77 g
More than 6.80 lb to 7.90 lb	0.17 lb
More than 3.58 kg to 4.26 kg	86 g
More than 7.90 lb to 9.40 lb	0.19 lb
More than 4.26 kg to 5.30 kg	99 g
More than 9.40 lb to 11.70 lb	0.22 lb
More than 5.30 kg to 6.48 kg	113 g
More than 11.70 lb to 14.30 lb	0.25 lb
More than 6.48 kg to 8.02 kg	127 g
More than 14.30 lb to 17.70 lb	0.28 lb
More than 8.02 kg to 10.52 kg	140 g
More than 17.70 lb to 23.20 lb	0.31 lb
More than 10.52 kg to 14.33 kg	167 g
More than 23.20 lb to 31.60 lb	0.37 lb
More than 14.33 kg to 19.23 kg	199 g
More than 31.60 lb to 42.40 lb	0.44 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 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	1.0 mL
More than 0.18 in ³ to 0.49 in ³	0.06 in ³
More than 8 mL to 14 mL	1.5 mL
More than 0.49 in ³ to 0.92 in ³	0.09 in ³
More than 14 mL to 22 mL	1.7 mL
More than 0.50 fl oz to 0.75 fl oz	0.06 fl oz
More than 0.92 in ³ to 1.35 in ³	0.10 in ³
More than 22 mL to 66 mL	3.8 mL
More than 0.75 fl oz to 2.25 fl oz	0.13 fl oz
More than 1.35 in ³ to 4.06 in ³	0.23 in ³
More than 66 mL to 125 mL	5.6 mL
More than 2.25 fl oz to 4.25 fl oz	0.19 fl oz
More than 4.06 in ³ to 7.66 in ³	0.34 in ³
More than 125 mL to 170 mL	7.3 mL
More than 4.25 fl oz to 5.75 fl oz	0.25 fl oz
More than 7.66 in ³ to 10.37 in ³	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	14.7 mL
More than 11.75 fl oz to 17.00 fl oz	0.5 fl oz
More than 21.20 in ³ to 30.67 in ³	0.90 in ³
More than 502 mL to 621 mL	18.6 mL
More than 17 fl oz to 21 fl oz	0.63 fl oz
More than 30.67 in ³ to 37.89 in ³	1.13 in ³
More than 621 mL to 798 mL	22.1 mL
More than 21 fl oz to 27 fl oz	0.75 fl oz
More than 37.89 in ³ to 48.72 in ³	1.35 in ³
More than 798 mL to 916 mL	26.0 mL
More than 27 fl oz to 31 fl oz	0.88 fl oz
More than 48.72 in ³ to 55.94 in ³	1.58 in ³
More than 916 mL to 1.15 L	29 mL
More than 31 fl oz to 39 fl oz	1 fl oz
More than 55.94 in ³ to 70.38 in ³	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	51 mL
More than 69 fl oz to 85 fl oz	1.75 fl oz
More than 124.5 in ³ to 153.3 in ³	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	88 mL
More than 160 fl oz to 185.6 fl oz	3 fl oz
More than 288.7 in ³ to 334.9 in ³	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
More than 7.09 L to 8.04 L	118 mL
More than 240 fl oz to 272 fl oz	4 fl oz

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 443.1 in ³ to 490.8 in ³	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 in³ to 1 443 in³	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	

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)

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.

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

(Amended 2004)

Table 2-9. U.S. Department of Agriculture, Meat and Poultry Groups and Lower Limits for Individual Packages (Maximum Allowable Variations [MAVs])			
Definition of Group and Labeled Quantity			
Homogenous Fluid When Filled (e.g., baby food or containers of lard)	All Other Products	Lower Limit for Individual Weights (MAVs)	
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	

	Table 2-10. Exceptions to the Maximum Allowable Variations (MAVs) for Textiles, Polyethylene Sheeting and Film, Mulch and Soil Labeled by Volume, Packaged Firewood Labeled in Terms of Volume, and Packages Labeled by Count with 50 Items or Fewer, and Specific Agricultural Seeds Labeled by Count.		
	Maximum Allowable Variations (MAVs)		
1.	1. Polyethylene Sheeting and Film Thickness		
		When the labeled thickness is 25 μ m (1 mil or 0.001 in) or less, any individual thickness measurement of polyethylene film may be up to 35 % below the labeled thickness.	
		When the labeled thickness is greater than 25 μ m (1 mil or 0.001 in), individual thickness measurements of polyethylene sheeting may be up to 20 % less than the labeled thickness.	
		The average thickness of a single package of polyethylene sheeting may be up to 4 % less than the labeled thickness.	
		Weight	
		The MAV for individual packages of polyethylene sheeting and film shall be 4 % of the labeled quantity.	
2.	Textiles	The MAVs are:	
		For packages labeled with dimensions of 60 cm (24 in) or more:	
		3 % of the labeled quantity for negative errors; and 6 % of the labeled quantity for plus errors.	
		For packages labeled with dimensions less than 60 cm (24 in):	
		6 % of the labeled quantity for negative errors; and 12 % for plus errors.	
3.	Mulch And Soil Labeled By Volume	The MAVs are:	
	Volume	For individual packages: 5 % of the labeled volume.	
		For example: 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).	

2 % of the labeled count

3 % of the labeled count

For soybean seed: 4 % of the labeled count For field bean seed: 5 % of the labeled count

	Table 2-10. Exceptions to the Maximum Allowable Variations (MAVs) for Textiles, Polyethylene Sheeting and Film, Mulch and Soil Labeled by Volume, Packaged Firewood Labeled in Terms of Volume, and Packages Labeled by Count with 50 Items or Fewer, and Specific Agricultural Seeds Labeled by Count.	
		Maximum Allowable Variations (MAVs)
4.	Packaged Firewood Labeled in Terms of Volume and Packages Labeled by Count with 50 Items or Fewer	MAVs are not applied to these packages.
5.	Specific Agricultural Seeds Labeled	The MAVS are:

For corn seed:

For wheat seed:

(Amended 2010)

By Count

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
Transation I of			For Packages Given Tolerances (Glasses and Stemware)
Inspection Lot Size	Sample Size	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)

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