

Summary of Packages of Retail Chicken Purchased, Test Results for Total Arsenic & Summary Statistics

Brand	Type of Sample	No.of Packages	Location	Average As, ppb (ng/g)	Standard Deviation	Standard Error of the Mean	95% Confidence Interval		
Smart Chicken	Breast, nonorganic	5	MN	1.7	0.7	0.3	1.1	to	2.4
Smart Chicken	Thighs, nonorganic	5	MN	1.5	0.7	0.3	0.9	to	2.2
Smart Chicken	Breast, organic	5	MN	2.0	0.6	0.3	1.5	to	2.6
Raised Right	Leg quarters	5	MN	1.6	1.3	0.6	0.4	to	2.8
Raised Right	Breasts	5	MN	ND	na	na	na		
Gerber's Amish Chicken	Breasts	5	MN	ND	na	na	na		
Gerber's Amish Chicken	Thighs	5	MN	ND	na	na	na		
Gold'n Plump	Breasts, boneless	5	MN	20.2	7.2	3.2	13.8	to	26.6
Gold'n Plump	Leg quarters, thighs or drumsticks	5	MN	12.0	8.7	3.9	4.3	to	19.8
Gold'n Plump	Livers	5	MN	221.8	32.8	14.7	192.5	to	251.1
Perdue/Roundys	Breasts, boneless	5	MN	21.2	10.1	4.5	12.2	to	30.2
Perdue/Roundys	Leg quarters	5	MN	20.1	3.6	1.6	16.9	to	23.4
Kadejan	Breasts, free roam	5	MN	2.1	1.7	0.8	0.6	to	3.7
Kadejan	Thighs	5	MN	5.3	1.2	0.5	4.3	to	6.4
Kadejan	Liver, free roam	5	MN	ND	na	na	na		
Tyson's	Chicken thighs, frozen	1	MN	ND	na	na	na		
Tyson's	Chicken breasts, frozen, skinless	1	MN	ND	na	na	na		
Subtotal		77							
Rocky Jr./Petaluma	Breasst, natural boneless skinless	5	CA	ND	na	na	na		
Rocky Jr./Petaluma	Range whole leg	5	CA	ND	na	na	na		
Rosies	Whole leg, organic	5	CA	ND	na	na	na		
Rosies	Breasts, organic	5	CA	ND	na	na	na		
Foster Farms	Fryer thighs	5	CA	4.0	0.8	0.3	3.3	to	4.7
Foster Farms	Breasts, boneless	5	CA	ND	0.0	0.0	na		
Trader Joes	Thighs	5	CA	8.7	0.8	0.4	8.0	to	9.5
Trader Joes	Breasts, boneless skinless	5	CA	7.4	2.4	1.1	5.2	to	9.5
Tyson's	Thighs, boneless, skinless	4	CA	4.0	1.6	0.8	2.4	to	5.6
Tyson's	Chicken strips	5	CA	ND	na	na	na		
Farm Harvest	Breast, boneless skinless	5	CA	4.2	0.5	0.2	3.8	to	4.6
Farm Harvest	Thighs	5	CA	5.5	1.1	0.5	4.6	to	6.5
Spring River Farms	Breasts	5	CA	6.6	1.1	0.5	5.6	to	7.7
Empire Kosher	Broiler chicken, whole	5	CA	4.3	2.3	1.0	2.2	to	6.3
Foster Farms	Livers	5	CA	5.1	0.7	0.3	4.5	to	5.7
Subtotal		74							
total packages		151							

Summary of Fast Food Chicken Products Purchased, Test Results for Total Arsenic and Summary Statistics

Brand	Type of Sample	No. of packages	Location	Average Arsenic, ppb (ng/g)	Standard Deviation	Standard Error of the Mean	95% Confidence Interval	
Popeyes	Breast, mild	5	CA	32.4	10.8	4.8	22.7	to 42.1
Popeyes	Thigh	5	CA	33.1	6.8	3.0	27.0	to 39.2
McDonald's	Chicken select premium breast strips	5	CA	16.8	4.1	1.8	13.2	to 20.5
McDonald's	Chicken grilled sandwich	5	CA	15.0	1.0	0.5	14.0	to 15.9
Jack in the Box	Fried chicken strips	5	CA	9.8	1.7	0.8	8.2	to 11.3
Jack in the Box	Chicken club sandwich, patty only	5	CA	29.5	6.1	2.7	24.0	to 34.9
Church's	Fried breast	5	CA	27.7	4.7	2.1	23.5	to 31.9
Church's	Fried thigh	5	CA	46.5	12.6	5.6	35.2	to 57.7
Carl's Jr.	Fried breast strips	5	CA	15.9	1.8	0.8	14.3	to 17.5
Carl's Jr.	Santa Fe Chicken Sandwich, patty only	5	CA	11.0	1.4	0.6	9.8	to 12.2
Subway	Chicken sandwich	5	MN	4.9	1.0	0.4	4.0	to 5.7
Arby's	Chicken sandwich	5	MN	15.3	7.1	3.2	9.0	to 21.7
Wendy's	Chicken grilled chicken breast	5	MN	15.9	3.0	1.3	13.3	to 18.6
Wendy's	Chicken pieces, breaded, fried	5	MN	5.6	0.5	0.2	5.2	to 6.0
KFC	Breast, mild	5	MN	3.9	1.0	0.4	3.0	to 4.8
KFC	Thigh	5	MN	2.2	1.6	0.7	0.7	to 3.6
Hardee's	Chicken breast, no bread,	5	MN	7.5	2.7	1.2	5.0	to 9.9
Hardee's	Chicken strips, breaded, fried	5	MN	7.1	1.0	0.4	6.2	to 8.0

"Using equations for the Standard Error of the Mean, and our limited numbers of chicken products, we can say with 95% confidence that the actual average total arsenic for a particular branded chicken product lies between the values listed in the last two columns.

As one increases the number of samples, this 95% confidence interval narrows -- in other words, one gets more confident that the average arsenic levels determined by the testing is closer to the actual average arsenic levels for that product."