

# CONFIDENCE INTERVAL ESTIMATES OF THE TRUE PROPORTION $P$

USING TWO-SIDED CONFIDENCE INTERVALS AT 90% LEVEL OF CONFIDENCE  
(MODIFIED WALD METHOD OF AGRESTI AND COULL, 1998)

Sample Range of Cases	Sample Bottles	Defective Bottles in Sample Lot	Percent Estimated Defective Bottle in Total Lot
1	12	0	0-18.4
		1	0.9-29.4
		2	4.5-39.8
		3	9.6-50.0
2	24	0	0-10.5
		1	0.4-16.5
		2	2.2-22.1
		3	4.7-26.4
3	36	0	0-7.5
		1	0.6-14.4
		2	2.2-17.8
		3	3.9-21.1
4	48	0	0-5.8
		1	0.5-11.1
		2	1.6-13.8
		3	2.9-16.3
5	60	0	0-4.7
		1	0.3-9.0
		2	1.3-11.2
		3	2.3-13.3
6	72	0	0-3.9
		1	0.3-7.6
		2	1.0-9.5
		3	1.9-11.3

Note: Client must decide what level of TCA is considered defective.