

**Chapter ATCP 40**  
**APPENDIX**

**SAMPLE CALCULATIONS OF MAXIMUM ALLOWABLE TOLERANCES BELOW LABEL'S GUARANTEE FOR INDIVIDUAL PRIMARY NUTRIENTS**

**Section ATCP 40.07 (2) (a)**

Nutrient	Units Guaranteed	Allowable Tolerance*
N	5	0.5 unit
P	10	1 unit
K	30	2 units

\*A tolerance of 10% of the units guaranteed, not to exceed 2 units, is allowable.

**SAMPLE CALCULATION OF MAXIMUM ALLOWABLE TOLERANCE BELOW LABEL'S GUARANTEE BASED ON COMBINED NUTRIENT INDEX VALUE**

**Section ATCP 40.07 (2) (b)**

Nutrient	Units Guaranteed	Index Factor	Nutrient Index Value
N	5	× 2 =	10
P	10	× 2 =	20
K	30	× 1 =	30
Combined nutrient index value			= 60
Allowable tolerance* = 60 × .03			= 1.8

\*Allowable tolerance is 3% of combined nutrient index value