

**CHAPTER 7-15-02  
MICRONUTRIENT GUARANTEED ANALYSIS**

7-15-02-01 Accepted Micronutrients Minimum Concentrations  
7-15-02-02 Warning Statements

**7-15-02-01. Accepted micronutrient minimum concentrations.**

Micronutrients mentioned in any form or manner must be registered and guaranteed. Guarantees must be made on the elemental basis; however, the source of the micronutrient must be specified. For example, a micronutrient that is a mixture of EDTA and citric acid bound micronutrient must specify the percentage of total micronutrient in each form. Except guarantees for those water soluble nutrients labeled for ready-to-use foliar fertilizers, read-to-use specialty liquid fertilizers, hydroponic or continuous liquid feed programs and guarantees for potting, garden, and lawn soils, the minimum percentages which are accepted for registration are as follows:

Element	Minimum Conce., %
Calcium (Ca)	1.0000
Magnesium (Mg)	0.5000
Sulfur (S)	1.0000
Boron (B)	0.0200
Chlorine (Cl)	0.1000
Cobalt (Co)	0.0005
Copper (Cu)	0.0500
Iron (Fe)	0.1000
Manganese (Mn)	0.0500
Molybdenum (Mo)	0.0005
Nickel (Ni)	0.0010
Sodium (Na)	0.1000
Zinc (Zn)	0.0500

**History:** Effective October 1, 2014; amended effective April 1, 2026.

**General Authority:** NDCC 4.1-40-11

**Law Implemented:** NDCC 4.1-40

**7-15-02-02. Warning statements.**

A warning or caution statement may be required for any product that contains a micronutrient in water soluble form when there is evidence that the micronutrient in excess of a certain percentage or concentration may be harmful to certain crops or human health, or where there are unusual environmental conditions.

**History:** Effective October 1, 2014.

**General Authority:** NDCC 4.1-40-11

**Law Implemented:** NDCC 4.1-40