

**MAAC**<sup>®</sup>  
**Manganese - 16**  
**No. 349**

A nutritional source of Amino Acid Chelated minerals for livestock and poultry, guaranteed to meet the definition of a Metal Amino Acid Chelate as outlined by the Association of American Feed Control Officials (AAFCO) No. 57.142. When used as a commercial feed ingredient, it must be declared on the label as Metal Amino Acid Chelate. U.S. Patent No. 5,162,369.

Guaranteed Analysis: Manganese . . . . . Not less than 16.0%

Ingredients: Manganese Amino Acid Chelate \*IFN 6-20-986,

Heavy Metals: Arsenic . . . . . Not more than 2 ppm  
Cadmium . . . . . Not more than 5 ppm  
Lead . . . . . Not more than 10 ppm

Physical Character: Color . . . . . Light tan  
Texture . . . . . Fine powder  
Density . . . . . 0.80 - 1.00 g/cc  
Total Nitrogen . . . . . 6.0 - 6.5%  
Moisture . . . . . Not greater than 6%  
pH . . . . . 5.6 - 5.8 (1.0% in distilled water)

Incompatibilities: Do not use with organic solvents: i.e., acetone, benzene, alcohols.  
Do not mix with alkaline solutions of pH 10 or higher.

Packaging: 50 -lb. Multiwall bag

Feeding Instructions: Use in accordance with formula directions for livestock feeds as appropriate  
OR feed to supply 20-40% of supplemental Manganese in the ration.

**DO NOT USE UNDILUTED**