

# SUGROW<sup>®</sup> MANGANESE – 35%, Mn

## GRANULAR MANGANESE SUCRATE

### GENERAL

Granular SuGrow<sup>®</sup> Manganese (Mn~35%), a QC Corporation Diamond Brand<sup>®</sup> product, is a manganese sucrate produced by a unique process that combines manganese in a reducible form (oxide) with a reducing sugar under very controlled conditions to yield manganese carboxylates (sucrate). Granular SuGrow<sup>®</sup> Manganese provides a soil dispersible source of manganese that is available at a concentration typically used in fertilizer applications for agronomic efficiency. This process uses a granulation technology that produces uniform granules that are free-flowing, non-caking, and coated for dust control. SuGrow<sup>®</sup> Manganese is available in particle sizes SGN 150 and SGN 230.

### APPLICATIONS

SuGrow<sup>®</sup> Manganese is a manganese micronutrient source for the Lawn and Garden, Turf Management, Agricultural, and Commercial Fertilizer industries. SuGrow<sup>®</sup> Manganese is effective over a wide range of pH soil conditions.

### PHYSICAL PROPERTIES

<b>Appearance</b>	<b>Dark Brown to Black, Free-Flowing Granules</b>
<b>Bulk Density</b>	
<b>SGN 150 (Mid-size):</b>	<b>83 Lbs. / Cu. Ft.</b>
<b>SGN 230 (Coarse):</b>	<b>83 Lbs. / Cu. Ft.</b>
<b>Sieve Analysis</b>	
<b>SGN 150 (Greens Grade):</b>	<b>96% -10 / +20 mesh</b>
<b>SGN 230 (Coarse):</b>	<b>96% -6 / +14 mesh</b>
<i>SuGrow<sup>®</sup> Manganese's Physical Properties are low dust uniform granules that will not cake in humid conditions and can be used for Bulk Blended Fertilizers or for direct application.</i>	

### CHEMICAL PROPERTIES

Manganese	≥ 35%
Water	< 5%

### PACKAGING AND TRANSPORT MODES

- ◆ 50 Lb. Bags Via Truck Or Rail
- ◆ Super-Sacks (2,000 To 3,000 Lb.) Via Truck Or Rail
- ◆ Bulk Via Truck Or Rail

### TRACE MATERIALS (MAXIMUM PPM)

Shipping Point	Cape Girardeau, MO
<b>Cadmium</b>	<b>2</b>
<b>Chromium</b>	<b>125</b>
<b>Copper</b>	<b>250</b>
<b>Lead</b>	<b>50</b>
<b>Magnesium</b>	<b>6,500</b>
<b>Nickel</b>	<b>225</b>
<b>Zinc</b>	<b>350</b>

The manufacturer makes no representation or warranty, expressed or implied, and shall not be responsible for any injury to person or property resulting from the use, or misuse, of this material.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.wa.gov/agr/> or <http://www.qccorporation.com>



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